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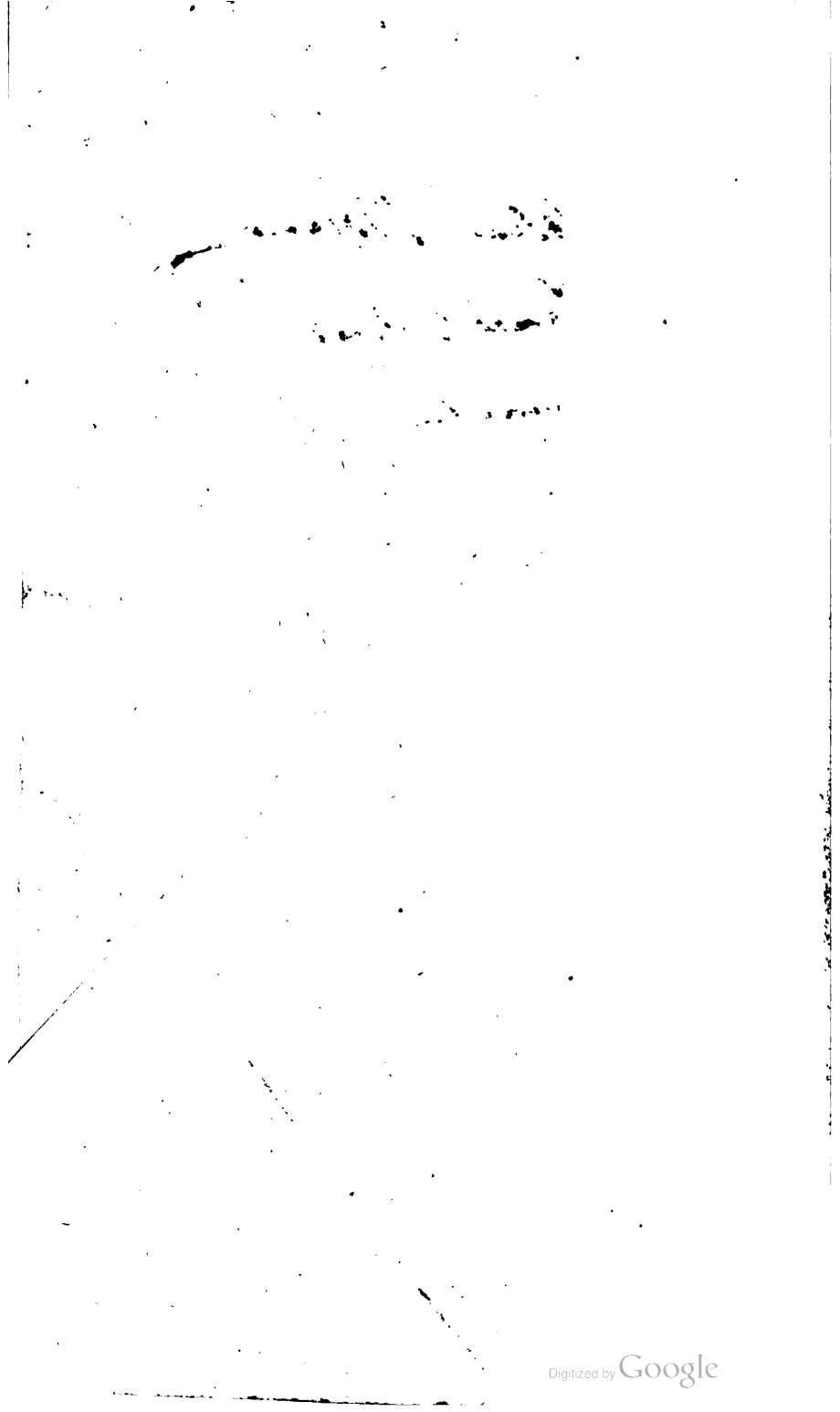
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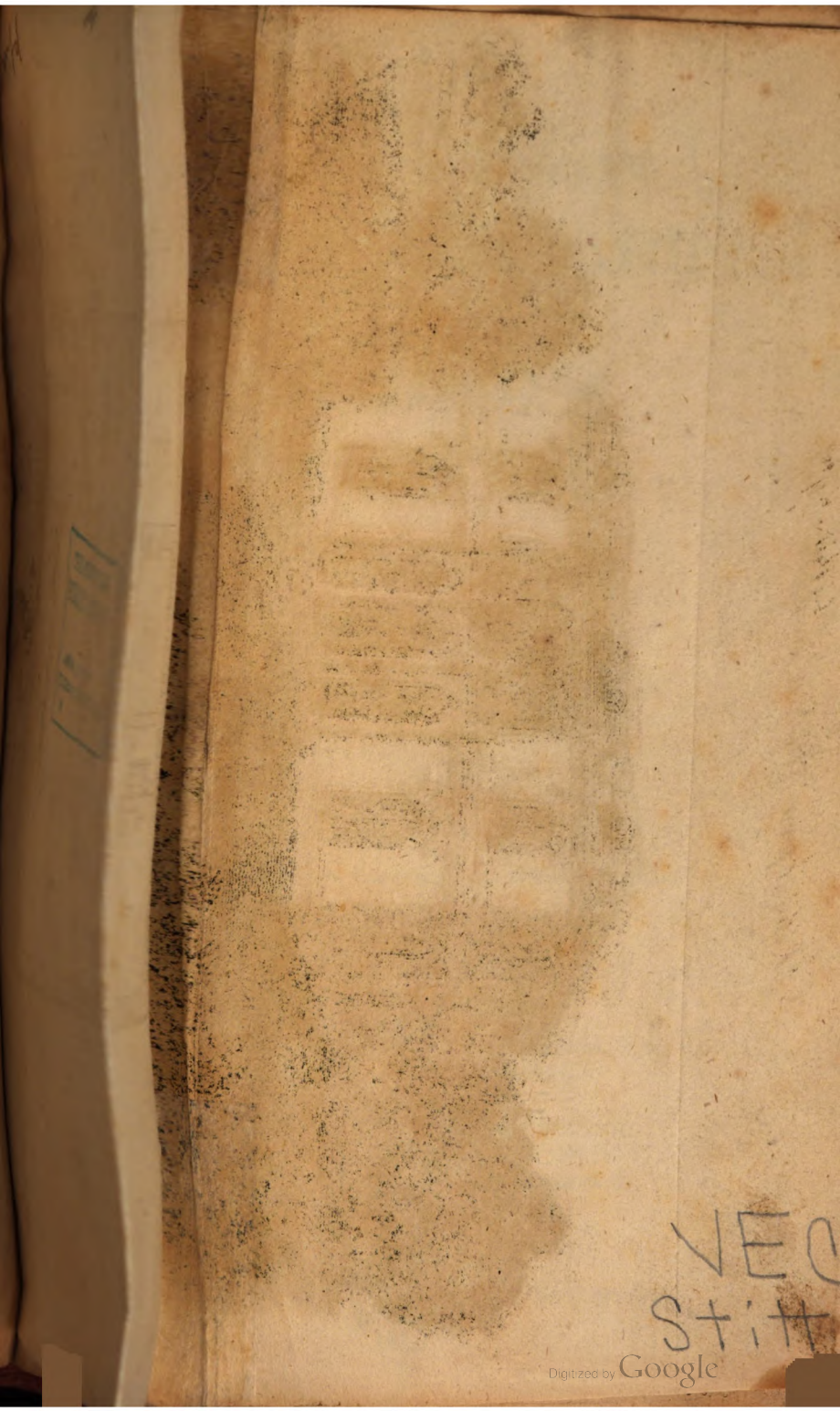
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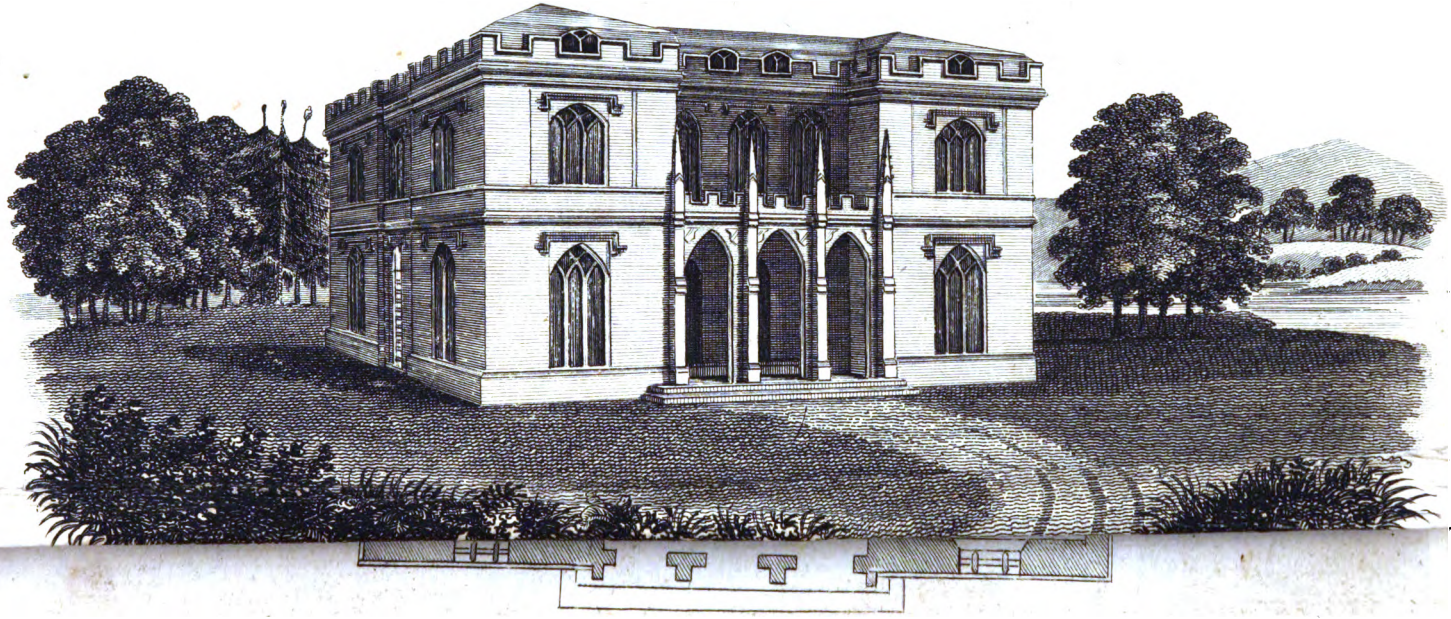

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&c. &c. &c.

BY WILLIAM STITT,

ARCHITECT AND MEASURER.

Dedicated by Permission to FRANCIS JOHNSTON, Esq.

Architect to his Majesty's Honorable Board of Works.

EMBELLISHED WITH FINE ENGRAVINGS.

DUBLIN:

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TO

FRAN. JOHNSTON, ESQ.

ARCHITECT TO HIS MAJESTY'S HON. BOARD OF WORKS IN IRELAND.

SIR,

In Dedicating to you the following sheets, if they contain any really useful information, I must attribute it to you, who first inculcated to my young mind, the early and salutary lesson of improvement in my profession.

When I assumed the character of an Author, I ventured to look up to you, Sir; nor were my expectations damped by disappointment, since, with that ready goodness which will ever distinguish the truly great, (though undeserved by me) you granted me your countenance, and flattered me with your favor.

It was remarked to me by a Gentleman, high in his profession as an Architect, (on perusing the sheets of my Work) that, like BUCHAN, in his Domestic Medicine, I had given to the world at large, as well as to those connected with Building, the principles upon which work is founded, and the legal charges thereon: I am well aware of the many objections which may be advanced against it partially; however, I rely on a judicious and scientific Public, for the candour of my intentions; having had always in view, the mutual interest of the Employer and Employed.

Should this Work meet with your approbation, it will be the highest gratification to,

SIR,

Your obliged and obedient

Humble Servant,

WM. STITT.

Release 12 June 1933

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PREFACE.

VARIOUS and multiplied have been the superb and expensive Volumes which have been published in the Sister Country, on Architecture; yet I could never meet with any but what were abundantly short of being really useful, or came within the range of an ordinary capacity, in the cases which commonly happen every day. In the course of my various, yet constant practice in the line of my profession, I have often had recourse to the Tables contained in these Works, and almost uniformly found many inconveniences attending the use of them.

My principal reason for attempting a work of this kind, has arisen from the numerous solicitations of many respectable builders, who have suggested the great need we stood in of a safe mode of calculating on all the branches connected with building. I have consulted most of the modern Works on this subject; and, from my long practice and experience, am of opinion, that the following Tables exhibit the most safe, comprehensive, and just method to be adopted by the Gentleman and Contractor.

This Work comprises a complete series of Synoptic Tables, for estimating the various expenses, both actual and incidental, incurred in buildings of all descriptions, embracing from the lowest to the highest prices of materials and workmanship, however fluctuating they may be.

In the course of it, the Reader will find, among the many useful Tables, it contains an Inspectional one, shewing the value of one foot in length, of timber, squared or cut to any scantling, at

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various prices; also, for reducing boards and planks to cube measure; the number contained in one ton, rated at from 5*l.* to 15*l.* per ditto, and what the actual value is per piece or per hundred.

I have stated the clear bearings with proportionate scantlings, of framed and plain roofing from the largest to the smallest span, including all appendages complete: In like manner, all joists and flooring, allowing for the probable loss in procuring timber to answer their respective lengths: Also, truss partitions; cieling joists, straight or circular; sash and door frames; doors and windows of all sizes; stairs and stair-cases; shop fronts; racks and mangers; green and hot-houses; pallisading; fillet and other gutters; with every material made use of in a building; and rules to find the length of rafters, to measure roofing, floors, stairs, &c. &c. &c.

It is hoped, a Treatise on the strength and propriety of building foundations; on the superstructure of walls; the difficulty that attends brick groins; nitches in brick work; circular arches upon a circular plan; eliptic arches; the quantity of materials required to perform a perch of brick or stone work; and how to find the contents of ditto, may not prove uninteresting.

I have taken great pains in laying down a correct set of Tables for Bricklayers' and Masons' work, and prices prefixed to each. I have also been very explicit on Stone-cutters, Plaisterers, Painters, Glaziers, Plumbers, Smiths, and Paviours' works, that each class connected with any of the above branches, may receive from this Work the most satisfactory information.

No. 66, *Church-street*,
October, 1818.

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TABLE I.

Framed Roof on Birmingham Theatre, 80 Feet span in the clear of walls.

Feet		At per. £.	s.	d.	£.	s.	d.
92	Of Girder, including Scarfings, 15 by 15	0	6	3	28	15	0
70	Principal Rafters, 12 & 9 by 9	0	3	0	10	10	0
40	Oak King Posts in shaft, 9 by 9, (15 by 9)	0	5	3	10	10	0
22	Oak Queen Posts, 15 by 9, in shaft 9 by 7	0	5	3	5	15	6
30	Principal Braces, 9 & 6 by 9	0	2	0	3	0	0
70	Common Braces, 6 by 9	0	1	6	5	5	0
22	Straining Beam, 12 by 9	0	3	0	3	6	0
22	Ditto Cill, 5½ by 9	0	1	5	1	11	2
5	Oak Corballs under Girder, 9 by 5	0	2	4	0	11	8
	This pair of principals performs 10 squares of work				69	4	4
	Proportion to 1 square				6	18	5
2	Inner Plate on Corball, 9 by 6	0	1	6	0	3	0
2	Wall Plates, 8 by 5½	0	1	3	0	2	6
2	Pole Plate, 7 by 5	0	1	0	0	2	0
1	Ridge Piece, 9 by 2	0	0	7	0	0	7
6	Purloins on framed Roof, 7 by 5	0	1	0	0	6	0
4	Ditto on upper Roof, 6 by 4	0	0	8	0	2	8
108	Common Rafters, 4 by 2½	0	0	3¼	1	9	3
12	Collar Beams, 6 by 2	0	0	4	0	4	0
	Prime Cost of Materials, Oak rated at £14 per Ton, and Deal or Fir at £8 per Ton				9	8	5
	1⅛ Ton of Carriage	0	5	8			
	Sawing	0	4	4			
	Iron Straps, Bolts, and Nails	0	16	0	1	6	0
	Workmanship only	1	7	0			
	Use and Waste of Scaffolding	0	6	0			
	Incidental matters and profit to Contractor	0	9	0	2	2	0
	Neat expense for one square				12	16	5

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TABLE II.

Roof on Covent Garden Church, 70 Feet span in the clear.

Feet		At per. £.	s.	d.	£.	s.	d.	Prime cost per Ton.	Neat expense for one square.		
72	Of Girder, 16 by 12	0	3	6	12	12	0	£.	£.	s.	d.
80	Principal Rafters, 9 by 8½	0	1	6	6	0	0	5	10	5	4
9⅓	King Posts, 12 by 8½	0	2	0	0	18	8	6	11	13	2
20	Braces, 8 by 7½	0	1	1	1	1	8	7	13	1	0
17⅓	Collar Beam, 10 by 8	0	1	6	1	6	0	8	14	8	10
44	Interior principal Rafters, 8½ by 8½	0	1	4	2	18	8	9	15	16	8
12	Studs framed in ditto, and principal Rafters, 8 by 8	0	1	2	0	14	0	10	17	4	6
	This pair of principals performs 7 sqrs. of work				25	11	0	11	18	12	4
	Proportion to 1 sqr.				3	13	0	12	20	0	2
3	Wall Plates, 12 by 10	0	2	4	0	7	0	13	21	8	0
3¼	Rafter Plate, 9 by 4	0	0	8	0	2	2	14	22	15	10
1⅛	Ridge, 8 by 1½	0	0	3	0	0	4½	15	24	3	8
15	Purlins, 9 by 6½	0	1	1	0	16	3				
108	Common Rafters, 6 by 3½	0	0	4½	2	0	6				
Prime cost of Materials at £5 per Ton,					6	19	3½				
Each 20s. rise per Ton, advances ⅕ which is £1 7s. 10d.											
Carriage, 1½ Ton		0	6	8							
1¼ Hund. Sawing,		0	6	3							
Irons for Roof, Nails, included.		0	14	0	1	6	11				
Workmanship,		1	6	0							
Use and waste of Scaffold.			5	0							
Incidental matters, and profit to Contractor,		0	8	1½	1	19	1½				
Neat expense at £5 p. T.					10	5	4				

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TABLE III.

Span about 65 Feet.

Feet		At per. £.	s.	d.	£.	s.	d.	Prime cost per Ton.	Neat expense for one square.		
68	Girder, 13 by 9	0	2	2	7	7	4				
84	Principal Rafters, 11 by 9.	0	1	10	7	14	0				
25	Queen Posts, 13 by 9	0	2	2	2	14	2				
64	Braces and Crown Beam, 9 by 8.....	0	1	4	4	5	4				
	This pair of principals performs 8 squares of work.....				22	0	10	£.	£.	s.	d.
	Proportion to 1 sqr.				2	15	1	5	7	10	0
								6	8	8	9
								7	9	7	6
3	Wall Plates, 12 by 3	0	0	8	0	2	0	8	10	6	3
3	Rafter Plates, 7 by 4	0	0	7	0	1	9	9	11	5	0
2	Ridge, 8 by 1¼	0	0	3	0	0	6	10	12	3	9
6	Purloins, 2 each side, 9 by 7½.....	0	1	3	0	7	6	11	13	2	6
108	Common Rafters, 6 by 2¼	0	0	3	1	7	0	12	14	1	3
								13	15	0	0
								14	15	18	9
								15	16	17	6
Prime Cost of Materials at £5 per Ton.....					4	13	10				
Each 20*s.* rise per Ton, adds ⅕ which is 18*s.* 9*d.*											
Carriage at 5*s.* per Ton,..		0	4	9							
Sawing at 5*s.* per Hundred		0	5	3							
¼ Mounting Principals, including Nails, &c.....		0	10	0							
					1	0	0				
Workmanship only		1	5	6							
Use and waste of Scaffold.		0	4	0							
Incidental matters, and profit to Contractor...		0	6	8							
					1	16	2				
Neat expense at £5 per T.					7	10	0				

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TABLE IV.

Span 50 *Feet in clear.*

Feet		At per. £	s.	d.	£.	s.	d.
52	Girder, 13 by 7....	0	1	8	4	6	8
66	Principal Rafters, 10 by 7.....	0	1	4	4	8	0
18	King Posts, 13 by 7	0	1	8	1	10	0
48	Braces, 7 by 7½....	0	1	0	2	8	0
	This pair of principals performs 6 squares of work.....				12	12	8
	Proportion to 1 sqr.				2	2	1
4	Wall Plates, 11 by 3½	0	0	7	0	2	4
4	Pole Plate, 8 by 3½	0	0	6	0	2	0
2½	Ridge, 8 by 1½	0	0	3	0	0	7
8	Purloins, 9 by 6....	0	1	0	0	8	0
108	Common Rafters, 5 by 2½	0	0	3	1	7	0
	Prime Cost of Materials at £5 per Ton.....				4	2	0
	Each 20s. rise per Ton, adds ⅕ which is 16s. 5d.						
	Carriage.....	0	4	2			
	Sawing, 1 hundred.....	0	5	0			
	⅒ Mounting Principals, including Nails.....	0	10	0	0	19	2
	Workmanship .....e.	1	5	0			
	Use and waste of Scaffold.	0	4	0			
	Incidental matters, and profit to Contractor ..	0	5	10			
					1	14	10
	Neat expense at £5 per T.				6	16	0

Prime cost per Ton. £.	Neat expense for one square. £.	s.	d.
5	6	16	0
6	7	12	5
7	8	8	10
8	9	5	3
9	10	1	8
10	10	18	1
11	11	14	6
12	12	10	11
13	13	7	4
14	14	3	9
15	15	0	3

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TABLE V.

Span 46 *Feet clear.*

Feet		At per. £.	*s.*	*d.*	£.	*s.*	*d.*
48	Girder, 13 by 6.....	0	1	6	3	12	0
56	Principal Rafters, 9 by 6.....	0	1	0	2	16	0
17	King Posts, 13 by 6	0	1	6	1	5	6
40	Braces, 7 by 6.....	0	0	9	1	10	0
	This pair of principals performs 5 squares of work.....				9	3	6
	Proportion of 1 sqr.				1	16	8
9	Wall & Pole Plates, 10 by 3.....	0	0	7	0	5	3
9	Purloins, 8 by 6....	0	0	10	0	7	6
3	Ridge, 8 by $1\frac{1}{2}$	0	0	3	0	0	9
108	Common Rafters, 5 by 2.....	0	0	$2\frac{1}{2}$	1	2	6
	Prime Cost of Materials at £5 per Ton.....				3	12	8
	Each 20*s.* rise per Ton, adds $\frac{1}{5}$ which is 14*s.* 6*d.*						
	Carriage	0	3	8			
	Sawing	0	5	0			
	$\frac{1}{5}$ Mounting Principals, including Nails.....	0	10	0			
					0	18	8
	Workmanship.....	1	4	6			
	Use and waste of Scaffold.	0	4	0			
	Incidental matters, and profit to Contractor...	0	5	10			
					1	14	4
	Neat Expense at £5 per T.				6	5	8

Prime cost per Ton.	Neat expense for one square.		
£.	£.	*s.*	*d.*
5	6	5	8
6	7	0	2
7	7	14	8
8	8	9	2
9	9	3	8
10	9	18	2
11	10	12	8
12	11	7	2
13	12	1	8
14	12	16	2
15	13	10	8

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TABLE VI.

Span 38 *Feet clear.*

Feet		At per. £	s.	d.	£.	s.	d.
40	Girder, 12 by 6	0	1	4	2	13	4
50	Principal Rafters, 8 by 6	0	0	10	2	1	8
14	King Posts, 12 by 6	0	1	4	0	18	8
30	Braces, 6 by 6	0	0	8	1	0	0
	Thispair of principals performs 4 squares of work				6	13	8
	Proportion to 1 sqr.				1	13	5
10	Plates, 10 by 3	0	0	7	0	5	10
5	Purloin,s 8 by 6 ..	0	0	10	0	4	2
108	Common Rafters, 5 by 2	0	0	2½	1	2	6
	Prime Cost of Materials at £5 per Ton				3	5	11
	Each 20*s.* rise per Ton, adds ⅕ which is 13*s.* 4*d.*						
	Carriage, ...	0	3	4			
	Sawing, ...	0	5	0			
	¼ Mounting Principals, including Nails, ...	0	10	0			
					0	18	4
	Workmanship, ...	1	4	0			
	Use and waste of Scaffold.	0	4	0			
	Incidental matters, and profit to Contractor....	0	5	9	1	13	9
	Neat expense at £5 per T.				5	18	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	5	18	0
6	6	11	4
7	7	4	8
8	7	18	0
9	8	11	4
10	9	4	8
11	9	18	0
12	10	11	4
13	11	4	8
14	11	18	0
15	12	11	4

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TABLE VII.

Span 30 *Feet clear.*

Feet		At per. £.	s.	d.	£.	s.	d.
32	Girder, 12 by 5	0	1	1	1	14	8
40	Principal Rafters, 8 by 5	0	0	9	1	10	0
11	King Posts, 12 by 5	0	1	1	0	11	0
18	Braces, 5 by 5	0	0	6	0	9	0
	This pair of principals performs 3 squares of work				4	5	7
	Proportion to 1 sqr.				1	8	7
12	Plates, 10 by 3.....	0	0	7	0	7	0
6	Purloins, (one each side) 7 by 6.....	0	0	10	0	5	0
3	Ridge, 8 by 1½.....	0	0	3	0	0	9
108	Common Rafters, 5 by 2	0	0	2½	1	2	6
	Prime Cost of Materials at £5 per Ton.....				3	3	10
	Each 20s. rise per Ton, adds ⅛ which is 12s. 9d.						
	Carriage	0	3	3			
	Sawing	0	5	0			
	⅓ Mounting Principals, including Nails.....	0	10	0			
					0	18	3
	Workmanship.....	1	3	6			
	Use and waste of Scaffold.	0	3	3			
	Incidental matters, and profit to Contractor....	0	5	3			
					1	12	0
	Neat expense at £5 per T.				5	14	1

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	5	14	1
6	6	7	10
7	7	0	7
8	7	13	4
9	8	6	1
10	8	18	10
11	9	11	7
12	10	4	4
13	10	17	1
14	11	9	10
15	12	2	7

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TABLE VIII.

Span 24 Feet clear.

Feet		At per. £.	s.	d.	£.	s.	d.
26	Girder, 12 by 4½ ...	0	1	0	1	6	0
32	Principal Rafters, 8 by 4½	0	0	8	1	1	4
9	King Posts, 12 by 4½	0	1	0	0	9	0
15	Braces, 4½ by 4½ ..	0	0	4	0	5	0
	This pair of principals performs 2½ squares of work				3	1	4
	Proportion to 1 sqr.				1	15	3
15	Plates, 8 by 3.....	0	0	6	0	7	6
7	Purloins, 6 by 5....	0	0	8	0	4	8
4	Ridge, 8 by 1½	0	0	3	0	1	0
108	Common Rafters, 4½ by 2¼	0	0	2½	1	2	6
	Prime Cost of Materials at £5 per Ton.....				3	0	11
	Each 20s. rise per Ton, adds ⅓ which is 12s. 2d.						
	Carriage	0	3	0			
	Sawing	0	4	3			
	Mounting Principals including Nails	0	9	0			
					0	16	3
	Workmanship.....	1	3	0			
	Use and waste of Scaffold.	0	3	0			
	Incidental matters, and profit to Contractor ...	0	4	0			
					1	10	0
	Neat expense at £5 per T.				5	7	2

Prime cost per Ton.	Neat expense for one square.		
£	£.	s.	d.
5	5	7	2
6	5	19	4
7	6	11	6
8	7	3	8
9	7	15	10
10	8	8	0
11	9	0	2
12	9	12	4
13	10	4	6
14	10	16	8
15	11	8	10

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TABLE IX.

Span 20 Feet clear.

Feet		At per. £	s.	d.	£.	s.	d.
22	Girder, 10 by 4 ...	0	0	10	0	18	4
28	Principal Rafters, 7 & 5 by 4	0	0	6	0	14	0
8	King Post, 10 by 4¼	0	0	10	0	6	8
12	Braces, 4 by 4	0	0	4	0	4	0
	This pair of principals performs 2 squares of work				2	3	0
	Proportion to 1 sqr.				1	1	6
20	Wall & Rafter plates 7 by 3	0	0	5	0	8	4
10	Purloins, 6 by 4½ ...	0	0	6	0	5	0
5	Ridge, 8 by 1½	0	0	3	0	1	3
108	Common Rafters 4 by 2	0	0	2	0	18	0
	Prime Cost of Materials at £5 per Ton.....				2	14	1
	Each 20s. rise per Ton adds ⅓ which is 10s. 10d.						
	Carriage	0	2	9			
	Sawing.....	0	4	0			
	Mounting principals, including Nails	0	9	0			
					0	15	9
	Workmanship.....	1	2	0			
	Use and waste of Scaffold.	0	3	0			
	Incidental matters, and profit to Contractor ...	0	3	4			
					1	8	4
	Neat expense at £5 per T.				4	18	2

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	4	18	2
6	5	9	0
7	5	19	10
8	6	10	8
9	7	1	6
10	7	12	4
11	8	3	2
12	8	14	0
13	9	4	10
14	9	15	8
15	10	6	6

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TABLE X.

COMMON ROOFING.

Span 24 Feet clear.

Feet		At per. £.	s.	d.	£.	s.	d.
8	Wall Plate, 6 by 3	0	0	4	0	2	8
4	Ridge, 8 by 1½	0	0	3	0	1	0
8	Purloins, 8 by 5....	0	0	8	0	5	4
108	Common Rafters, 5½ by 2½	0	0	3	1	7	0
	Prime Cost of Materials at £5 per Ton.....				1	16	0
	Each 20s. rise per Ton adds ⅕ which is 7s. 2d.						
	Carriage	0	1	9			
	Sawing	0	4	3			
	Spikes and Nails.....	0	2	0			
					0	8	0
	Workmanship.....	0	10	0			
	Use and waste of Scaffold.	0	2	0			
	Incidental matters and profit to Contractor ...	0	2	0			
					0	14	0
	Neat expense at £5 per T.				2	18	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	2	18	0
6	3	5	2
7	3	12	4
8	3	19	6
9	4	6	8
10	4	13	10
11	5	1	0
12	5	8	2
13	5	15	4
14	6	2	6
15	6	9	8

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TABLE XI.

Span from 18 *to* 20 *Feet.*

Feet		At per. £	s.	d.	£.	s.	d.
10	Wall Plates, 6 by 3	0	0	4	0	3	4
5	Ridge, 8 by 1½	0	0	3	0	1	3
108	Common Rafters, 5 by 2¼	0	0	2½	1	2	6
48	Collar Braces, 4½ by 1½.....	0	0	1¼	0	7	0
Prime cost of Materials at £5 per Ton.....					1	14	1
Each 20*s.* rise per Ton adds ¼ which is 6*s.* 9*d.*							
Carriage		0	1	7			
Sawing.....		0	3	9			
Nails.....		0	2	0			
					0	7	4
Workmanship.....		0	8	4			
Use and waste of Scaffold.		0	2	0			
Incidental matters and profit to Contractor...		0	1	8			
					0	12	0
Neat expense at £5 per T.					2	13	5

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	2	13	5
6	3	0	2
7	3	6	11
8	3	13	8
9	4	0	5
10	4	7	2
11	4	13	11
12	5	0	8
13	5	7	5
14	5	14	2
15	6	0	11

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TABLE XII.

Span about 16 *Feet.*

Feet		At per. £.	s.	d.	£.	s.	d.
14	Wall Plates, 5 by 3	0	0	3	0	3	6
7	Ridge, 6 by $1\frac{1}{2}$	0	0	2	0	1	2
108	Rafters, $4\frac{1}{2}$ by 2....	0	0	2	0	18	0
40	Collars, 4 by $1\frac{1}{4}$	0	0	$1\frac{1}{2}$	0	5	0
Prime cost of Materials at £5 per Ton					1	7	8
Each 20s. rise per Ton adds $\frac{1}{5}$ which is 5s. 6d.							
Carriage		0	1	6			
Sawing.....		0	3	6			
Nails		0	2	0			
					0	7	0
Workmanship.....		0	8	2			
Use and waste of Scaffold.		0	1	8			
Incidental matters and profit to Contractor....		0	1	4			
					0	11	2
Neat expense at £5 per T.					2	5	10

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	2	5	10
6	2	11	4
7	2	16	10
8	3	2	4
9	3	7	10
10	3	13	4
11	3	18	10
12	4	4	4
13	4	9	10
14	4	15	4
15	5	0	10

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TABLE XIII.

Span about 13 *Feet.*

Feet		At per. £.	s.	d.	£.	s.	d.
16	Wall Plates, 4½ by 2	0	0	2	0	2	8
8	Ridge, 6 by 1.....	0	0	1½	0	1	0
108	Rafters, 4 by 1½....	0	0	1½	0	13	6
40	Collar Braces, 3 by 1¼	0	0	1	0	3	4
	Prime cost of Materials at £5 per Ton.....				1	0	6
	Each 20s. rise per Ton adds ⅓ is 4s. 1d.						
	Carriage	0	1	2			
	Sawing.....	0	2	6			
	Nails.....	0	1	10			
					0	5	6
	Workmanship.....	0	8	0			
	Scaffolding, Losses, &c..	0	2	0			
					0	10	0
	Neat expense at £5 per T.				1	16	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	1	16	0
6	2	0	1
7	2	4	2
8	2	8	3
9	2	12	4
10	2	16	5
11	3	0	6
12	3	4	7
13	3	8	8
14	3	12	9
15	3	16	10

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TABLE XIV.

Joists and Plank Flooring, Dowelled and laid in reduced breadths.

Feet		At per. £.	s.	d.	£.	s.	d.	Prime cost per Ton.	Neat expense for one square.
106	Scantling in Joists, 14 by 3.....	0	0	8½	3	14	4½		
114	Plank in flooring, 1½ inch thick	0	0	4	1	18	0		
10½	Probable Tassels, 8 by 1½	0	0	3	0	2	7½		
	Prime cost of Materials at £5 per Ton.....				5	15	0		
	Each 20s. rise per Ton adds ½ which is £1 3s.							£.	£. s. d.
	Carriage	0	5	10				5	9 10 0
	Sawing.....	0	12	0				6	10 13 0
					0	17	10	7	11 16 0
	Dowels.....	0	9	0				8	12 19 0
	Nails.....	0	6	0				9	14 2 0
					0	15	0	10	15 5 0
	Workmanship.....	1	15	0				11	16 8 0
	Incidental waste and profit thereon	0	7	2				12	17 11 0
								13	18 14 0
					2	2	2	14	19 17 0
								15	21 0 0
	Neat expense at £5 per T.				9	10	0		

Note.—If the above and following floors are not Dowelled, but Nailed down in reduced breadths, deduct in Workmanship for Laying 15*s.* and Dowels for Nails 5*s.* per Square. If not in reduced breadths, a further reduction of 5*s.* per Square.

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TABLE XV.

Joists and Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
105	Scantling Joists, 12 by 3	0	0	8	3	10	0
114	Plank $1\frac{1}{8}$ inch thick	0	0	4	1	18	0
8	Tassels, 8 by $1\frac{1}{2}$	0	0	3	0	2	0
	Prime cost of Materials at £5 per Ton				5	10	0
	Each 20s. rise per Ton advance $\frac{1}{5}$ which is £1 2s.						
	Carriage	0	5	6			
	Sawing	0	10	0			
					0	15	6
	Nails 6s. Dowells 9s.	0	15	0			
	Labour	1	14	0			
	Incidental matters, waste and profit	0	6	6			
					2	15	6
	Neat expense at £5 per T.				9	1	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	9	1	0
6	10	3	0
7	11	5	0
8	12	7	0
9	13	9	0
10	14	11	0
11	15	13	0
12	16	15	0
13	17	17	0
14	18	19	0
15	20	1	0

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TABLE XVI.

Joists and Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
105	Joists 8 by 4, or 10½ by 3	0	0	7	3	1	3
114	Plank 1¼ inch thick..	0	0	3	1	8	6
8	Tassels 8 by 1½	0	0	3	0	2	0
	Prime cost at £5 per Ton.				4	11	9
	Each 20s. rise per Ton advances $\frac{1}{5}$ which is 18s. 4d.						
	Carriage	0	4	8			
	Sawing	0	9	4			
					0	14	0
	Nails 5s. Dowells 9s.	0	14	0			
	Workmanship	1	12	0			
	Incidental matters, waste, and profit.....	0	6	0			
					2	12	0
	Neat expense at £5 per T.				7	17	9

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	7	17	9
6	8	16	1
7	9	14	5
8	10	12	9
9	11	11	1
10	12	9	5
11	13	7	9
12	14	6	1
13	15	4	5
14	16	2	9
15	17	1	1

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TABLE XVII.

Joists and Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
105	Joists 12 by $2\frac{1}{4}$, or 9 by 3	0	0	6	2	12	6
114	Plank $1\frac{1}{8}$ inch thick..	0	0	3	1	8	6
8	Tassels, 8 by $1\frac{1}{2}$....	0	0	3	0	2	0
	Prime Cost of Materials at £5 per Ton.....				4	3	0
	Each 20*s.* rise per Ton advances $\frac{1}{5}$, which is 16*s.* 7*d.*						
	Carriage	0	4	2			
	Sawing	0	9	2			
					0	13	4
	Nails 4*s.* 6*d.* Dowells 8*s.* 6*d*				0	13	0
	Workmanship.....	1	10	0			
	Incidental matters, and profit to Contractor....	0	5	8			
					1	15	8
	Neat expense at £5 per T.				7	5	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	*s.*	*d.*
5	7	5	0
6	8	1	7
7	8	18	2
8	9	14	9
9	10	11	4
10	11	7	11
11	12	4	6
12	13	1	1
13	13	17	8
14	14	14	3
15	15	10	10

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TABLE XVIII.

Straight Joint Flooring, not in reduced breadths.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists 12 by $2\frac{1}{4}$, or 9 by 3	0	0	6	2	12	0
108	Boarding $1\frac{1}{2}$ inch thick.....	0	0	4	1	16	0
8	Probable Tassels, 8 by $1\frac{1}{2}$.....	0	0	3	0	2	0
	Prime Cost of Materials at £5 per Ton.....				4	10	0
	Each 20s. rise per Ton advances $\frac{1}{5}$, which is 18s.						
	Carriage	0	4	6			
	Sawing	0	9	6			
					0	14	0
	Nails.....	0	6	0			
	Workmanship.....	0	18	0			
	Incidental matters, and profit to Contractor ...	0	6	0			
					1	10	0
	Neat expense at £5 per T.				6	14	0

Prime cost per Ton.	Neat expense for one square. £.	s.	d.
£.			
5	6	14	0
6	7	12	0
7	8	10	0
8	9	8	0
9	10	6	0
10	11	4	0
11	12	2	0
12	13	0	0
13	13	18	0
14	14	16	0
15	15	14	0

Note.—In Trimmers and other Joists of more than ordinary size, the extra Scantling is to be charged, and lineal measure allowed for framing same; the value of the stuff, and expense of sawing to be charged for bridging, with one penny for each six inches square on the ends of same.—Suppose 12 by 3, work only, 6*d.*—9 by 2—3*d.* and 6 by 2—2*d.* It is to be observed, when Joists are spaced twelve inches from in to out, the Joists next one Wall is lost in the calculation, having an extra Joist over 100 feet, this is fluctuating, as the apartment may be large or small in proportion.

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TABLE XIX.

Joists and Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists, 11¼ by 2, or 10 by 2¼	0	0	5	2	3	4
108	Boarding, 1¼ inch thick	0	0	3½	1	11	6
12	Probable Tassels, 6 by 1¼	0	0	2	0	2	0
	Prime cost of Materials at £5 per Ton, ...				3	16	10
	Each 20s. rise per Ton advances ⅕, which is 15s. 4d.						
	Carriage, ...	0	3	9			
	Sawing, ...	0	8	3			
	Nails, ...	0	6	0			
					0	18	0
	Workmanship, ...	0	17	0			
	Incidental matters, and profit to Contractor, ..	0	5	6			
					1	2	6
	Neat expense at £5 p. T.				5	17	4

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	5	17	4
6	6	12	8
7	7	8	0
8	8	3	4
9	8	18	8
10	9	14	0
11	10	9	4
12	11	4	8
13	12	0	0
14	12	15	4
15	13	10	8

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TABLE XX.

Joists and Flooring.

Feet		At per. £	s.	d.	£.	s.	d.
104	Joists, 9 by 2, or 8 by $2\frac{1}{4}$	0	0	4	1	14	8
108	Boarding, $1\frac{1}{8}$ inch thick	0	0	3	1	7	0
14	Probable Tassels, 4 by $1\frac{1}{2}$	0	0	2	0	2	4
	Prime Cost of Materials at £5 per Ton				3	4	0
	Each 20*s.* rise per Ton adds $\frac{1}{5}$, which is 12*s.* 10*d.*						
	Carriage	0	3	3			
	Sawing	0	8	0			
	Nails	0	6	0			
					0	17	3
	Workmanship	0	16	9			
	Incidental matters, and profit to Contractor	0	5	0			
					1	1	9
	Neat expense at £5 per T.				5	3	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	5	3	0
6	5	15	10
7	6	8	8
8	7	1	6
9	7	14	4
10	8	7	2
11	9	0	0
12	9	12	10
13	10	5	8
14	10	18	6
15	11	11	4

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TABLE XXI.

Joists and Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists $5\frac{1}{2}$ by 3, 6 by $2\frac{3}{4}$, or 8 by 2	0	0	$3\frac{1}{2}$	1	10	4
108	Boarding, one inch thick	0	0	3	1	7	0
16	Tassels, 6 by $1\frac{1}{2}$	0	0	2	0	2	8
	Prime Cost of Materials at £5 per Ton				3	0	0
	Each 20*s.* rise per Ton adds $\frac{1}{5}$, which is 12*s.*						
	Carriage	0	3	0			
	Sawing	0	7	0			
	Nails	0	5	0			
					0	15	0
	Workmanship.....	0	16	0			
	Incidental matters, and profit to Contractor...	0	5	0			
					1	1	0
	Neat Expense at £5 per T.				4	16	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	4	16	0
6	5	8	0
7	6	0	0
8	6	12	0
9	7	4	0
10	7	16	0
11	8	8	0
12	9	0	0
13	9	12	0
14	10	4	0
15	10	16	0

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TABLE XXII.

Joists and Flooring.

Feet		At per. £	s.	d.	£.	s.	d.
104	Joists, 7 by 2, or 8 by $1\frac{3}{4}$	0	0	3	1	6	0
108	Boarding, $\frac{7}{8}$ inches thick	0	0	$2\frac{1}{2}$	1	2	6
14	Tassels, 6 by $1\frac{1}{2}$	0	0	2	0	2	4
	Prime Cost of Materials at £5 per Ton				2	10	10
	Each 20s. rise per Ton adds $\frac{1}{5}$, which is 10s. 2d.						
	Carriage,	0	2	8			
	Sawing,	0	6	0			
	Nails,	0	4	4			
					0	13	0
	Workmanship,	0	15	0			
	Incidental matters, and profit to Contractor	0	5	0			
					1	0	0
	Neat expense at £5 per T.				4	3	10

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	4	3	10
6	4	14	0
7	5	4	2
8	5	14	4
9	6	4	6
10	6	14	8
11	7	4	10
12	7	15	0
13	8	5	2
14	8	15	4
15	9	5	6

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TABLE XXIII.

Broken Joint Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists, 8 by $1\frac{1}{2}$, 6 by 2, or 4 by 3 inches	0	0	3	1	6	0
108	Boarding, one inch thick.....	0	0	$2\frac{1}{2}$	1	2	6
14	Probable Tassels, 4 by $1\frac{1}{2}$.....	0	0	$1\frac{1}{2}$	0	1	9
	Prime Cost of Materials at £5 per Ton.....				2	10	3
	Each 20s. rise per Ton adds $\frac{1}{5}$, which is 10s.						
	Carriage,.....	0	2	6			
	Sawing,.....	0	6	0			
	Nails,.....	0	4	0			
					0	12	6
	Workmanship.....	0	11	8			
	Incidental matters, and profit to Contractor...	0	5	7			
					0	17	3
	Neat expense at £5 per T.				4	0	0

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	4	0	0
6	4	10	0
7	5	0	0
8	5	10	0
9	6	0	0
10	6	10	0
11	7	0	0
12	7	10	0
13	8	0	0
14	8	10	0
15	9	0	0

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TABLE XXIV.

Broken Joint Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists 5¼ by 2, or 4½ by 2⅛	0	0	2½	1	1	8
108	Boarding ¾ inch thick	0	0	2	0	18	0
16	Tassels 4 by 1½	0	0	1½	0	2	0
	Prime cost of Materials, at £5 per Ton				2	1	8
	Each 20s. rise per Ton advances ⅕, which is 8s. 4d.						
	Carriage	0	2	2			
	Sawing	0	6	0			
	Nails	0	4	0			
					0	12	2
	Workmanship	0	11	0			
	Incidental losses and profit to Contractor	0	4	10			
					0	15	10
	Neat expense at £5 per T.				3	9	8

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	3	9	8
6	3	18	0
7	4	6	4
8	4	14	8
9	5	3	0
10	5	11	4
11	5	19	8
12	6	8	0
13	6	16	4
14	7	4	8
15	7	13	0

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TABLE XXV.

Broken Joint Flooring.

Feet		At per. £.	s.	d.	£.	s.	d.
104	Joists 4 by 2	0	0	2	0	17	4
108	Boarding $\frac{5}{8}$ inch thick	0	0	2	0	18	0
24	Tassels 4 by $1\frac{1}{2}$	0	0	$1\frac{1}{2}$	0	3	0
	Prime Cost of Materials, at £5 per Ton				1	18	4
	Each 20s. rise per Ton advance $\frac{1}{5}$ which is 7s. 8d.						
	Carriage	0	1	10			
	Sawing	0	5	8			
	Nails	0	3	6			
					0	11	0
	Workmanship	0	10	10			
	Incidental losses and profit to Contractor	0	4	8			
					0	15	6
	Neat expense at £5 per T.				3	4	10

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	3	4	10
6	3	12	6
7	4	0	2
8	4	7	10
9	4	15	6
10	5	3	2
11	5	10	10
12	5	18	6
13	6	6	2
14	6	13	10
15	7	1	6

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TABLE XXVI.

Broken Joint Flooring.

Feet		At per £	s.	d.	£	s.	d.
104	Joists, 4 by 1½inch..	0	0	1½	0	13	0
108	Boarding, ⅝ inch thick.....	0	0	2	0	18	0
24	Tassels, 4 by 1½....	0	0	1½	0	3	0
	Prime Cost of Materials at £5 per Ton.....				1	14	0
	Each 20s. rise per Ton adds ⅕ which is 6s. 9d.						
	Carriage,.....	0	1	6			
	Sawing,.....	0	5	6			
	Nails,.....	0	3	8			
					0	10	8
	Workmanship, ...	0	10	0			
	Incidental, losses and profit to Contractor, ...	0	4	2			
					0	14	2
	Neat expense at £5 per T.				2	18	10

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	2	18	2
6	3	4	11
7	3	11	8
8	3	18	5
9	4	5	2
10	4	11	11
11	4	18	8
12	5	5	5
13	5	12	2
14	5	18	11
15	6	5	8

Note.—This, and Table 25th, are proposed to be done on Ceiling or Ground Joists, in which case the Joists are not otherwise chargeable. This will also answer for stud and sheeted Partitions, unless the studs and boarding are wrought all round, in which case add to the workmanship from 10s. to 12s. per square, and if rabbeted and moulded, from 15s. to 16s. per square.

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TABLE XXVII.

The Value of a 4 Inch Truss Partition, Span about 40 Feet by 15.

Feet		At per. £	s.	d.	£	s.	d.
84	Girders, 12 by 4 inch.	0	0	11½	4	0	6
45	King Posts, 12 by 4 inch.....	0	0	11½	2	3	1½
31½	Extra Uprights, 6 by 4 inch.....	0	0	5½	0	14	3½
61	Braces, 4 by 4 inch..	0	0	4½	1	2	10½
	This performs 6¼ sqr.				8	0	9½
	Proportion to 1 sqr.				1	3	10
103	Of filling Studds, 4 by 2.....	0	0	2	0	17	2
Prime Cost of Materials at £5 per Ton.....					2	1	0
Each 20s. rise per Ton, adds ⅕ which is 8s. 2d.							
Carriage 2s. Sawing 5s...		0	7	0			
Nails, Straps, &c.....		0	10	0			
					0	17	0
Workmanship.....		0	12	6			
Incidental losses and profit to Contractor		0	5	0			
					0	17	6
Neat expense at £5 per T.					3	15	6

Prime cost per Ton.	Neat expense for one square.		
£.	£.	s.	d.
5	3	15	6
6	4	3	8
7	4	11	10
8	5	0	0
9	5	8	2
10	5	16	4
11	6	4	6
12	6	12	8
13	7	0	10
14	7	9	0
15	7	17	2

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TABLE XXVIII.

Sash Frames are charged by the foot lineal, measuring from out to out of the Frames, all round the Pully Pieces, head and cill; the outside Casings on Pully Pieces and head, including cill Rabbeted and prepared in best manner.

All Sizes in the clear as follows.

Feet. Inches.		Feet. Inches.		Feet. Inches.		Feet. Inches.		Feet. Inches.		Ft. Contents.	At per. s.	At per. d.	Amount £.	Amount s.	Amount d.
3 0	by	4 0	or	4 6	by	2 6	or	5 0	by	2 0	16	0	8	0	10	8
3 0	—	5 0	—	4 0	—	4 0	—	5 0	—	3 0	18	0	8	0	12	0
3 0	—	6 0	—	4 0	—	5 0	—	4 6	—	4 6	20	0	8	0	13	4
3 0	—	7 0	—	4 0	—	6 0	—	4 6	—	5 6	22	0	9	0	16	6
4 0	—	7 0	—	4 6	—	6 6	—	5 6	—	5 6	24	0	9	0	18	0
4 0	—	8 0	—	4 6	—	7 6	—	5 6	—	6 6	26	0	9	0	19	6
4 0	—	9 0	—	4 6	—	8 6	—	5 6	—	7 6	28	0	10	1	3	4
4 0	—	10 0	—	4 6	—	9 6	—	5 6	—	8 6	30	0	11	1	7	6
4 0	—	11 0	—	5 0	—	10 0	—	5 6	—	9 6	32	0	11	1	9	4
4 0	—	12 0	—	5 0	—	11 0	—	5 6	—	10 6	34	0	11	1	11	2
6 0	—	12 0	—	9 0	—	9 0	—	8 0	—	10 0	38	1	0	1	18	0

Each Frame complete at £6 per Ton.

Note.—Having made out a Table of Valuation on Sash Frames, I do not mean that a Frame done in the first stile, very small, should be Valued by the lineal foot, less than the largest, and in like manner, the largest Frame done in a plain saving manner both in Materials and Workmanship should be reduced similar.—See the Table also for every 20*s.* increase or decrease on the Timber per Ton, add or deduct, one twelfth, to or from the above Table.

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TABLE XXIX.

Estimate for a Wyat Window, 8 Feet high by 7 Feet 4 Inches wide, complete.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	50	Of Frame, including outside Casings,	1	0	2	10	0
	16½	Of 6 inch inside Casings, groved for linings and rabbeted on.....	0	6	0	8	3
	16½	Reeding interior Pully-pieces, ...	0	6	0	8	3
	58	Sashes in ditto, 2⅛ inch bar,.....	1	2	3	7	8
	134	Slips, Stops, and Parting Beads,....	0	3	1	13	6
5	0	Framed Wainscot in backs, elbows, and soffits, grounds included.....	8	0	2	0	0
10	0	Ditto in Shuts, including rabbeting, fitting, and hanging grounds,.....	8	6	4	5	0
	32	Double-faced reeded 8 inch Architraves,.....	1	6	2	8	0
2	3	Moulded backing to ditto, ...	6	0	0	14	0
2	4½	Framed, bead, and flush jamb casings,	8	0	1	0	0
	16	Reeded Planceers, and freeing beds, including grounds,.....	1	0	0	16	0
		One pair of fluted, or counter-fluted spandrill fillings over shuts, sprung to raise soffit in front,.....			0	10	0
	16¾	Neat Gothic semi pillars, outside with caps and bases, ...	2	0	1	13	6
		Setting and ranging frame.....			0	6	0
	8	Inserted plinth on back, ...	0	6	0	4	0
		Four pair brass fronted pulleys, including inserting	2	0	0	8	0
		Sixty pounds of metal weights, ...	0	2	0	10	0
16	0	Lineal of patent sash line, ...	0	3	0	4	0
		Two lights hung, ...			0	3	0
	48½	Very best A. glass, and painting four coats on sashes	2	0	4	17	0
		Neat expense at £6 per Ton.			28	6	2

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TABLE XXX.

Estimate for a Window complete, 12 Feet by 6 clear.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	40	Frame, including outside casings, ..	1	0	2	0	0
	32	Inside casings about 6 inches wide,..	0	6	0	16	0
	72	Sashes, sprung and dowelled, 2½ bar,	1	8	6	0	0
	36	Broad, moulded, and sprung slips,..	0	4	0	12	0
	32	Parting beads and short stops, ...	0	3	0	8	0
5	0	Framed soffits, backs and elbows, ..	8	0	2	0	0
10	0	Ditto bead and but shutters, ...	8	6	4	5	0
6	0	Jamb linings, ...	8	0	2	8	0
	38	Neat modern double-faced Architraves, about 9 inches wide, with cock mouldings on same, and sprung, ...	1	10	3	9	8
	36	Grounds to ditto, ...	0	8	1	4	0
	22	Neat reeded plancers and freeing beads, (grounds included,)	1	0	1	2	0
		Two fluted fans over shuts, quadrant form, ...			0	12	0
		Double hanging sashes, including letting-in pulleys and parting beads to weights, ...			0	8	0
	44	Plinth on back, and backing to architraves, average 5 inches broad, ...	0	5	0	18	4
		Setting and ranging frame, ...			0	6	0
		Neat expense at £6 per Ton.			26	9	0

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TABLE XXXI.

A Window complete, 10 *Feet by* 4.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	32	Frame, including outside casings ..	1	0	1	12	0
	26	6 inch inside casings.....	0	6	0	13	0
	40	Sashes, sprung and dowelled, $2\frac{1}{4}$ inch bar	1	6	3	0	0
	28	Broad, moulded, and sprung slips...	0	4	0	9	4
4	0	Framed soffits, backs, and elbows ..	8	0	1	12	0
	26	Parting beads and short stops	0	3	0	6	6
9	0	Framed shuts, one side bead and flush or but	8	6	3	16	6
5	0	Jamb linings, ditto	8	0	2	0	0
	30	Neat modern double-faced Architraves, cock moulding laid on and sprung inside, 8 inches wide.....	1	6	2	5	0
	25	Grounds to ditto, sprung inside.....	0	7	0	14	7
	20	Neat reeded plancers and freeing beads, (including grounds)	1	0	1	0	0
	35	Plinth and backing to Architraves..	0	$4\frac{1}{2}$	0	13	$1\frac{1}{2}$
		Two fluted fans on quadrant grounds			0	10	0
		Double hanging the sashes, including letting-in pulley boxes and parting beads between weights.....			0	6	0
		Setting and ranging frame.....			0	5	0
		Neat expense at £6 per Ton			19	3	$0\frac{1}{2}$

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TABLE XXXII.

A Window, 8 *Feet by* 4 *clear.*

Yds.	Feet		At per. s.	d.	£.	s.	d.
	27	Frame, including outside casings ...	0	11	1	4	9
	21	6 inch inside casings.....	0	6	0	10	6
	32	Sashes, sprung & dowelled 2⅛ inch bar	1	5	2	5	4
	24	Broad, moulded, and sprung slips...	0	4	0	8	0
	22	Parting beads and short stops	0	3	0	5	6
4	0	Framed soffits, backs and elbows....	8	0	1	12	0
6	0	Ditto shuts, bead and flush (one side)	8	6	2	11	0
	26	Neat double-faced architraves from 7 to 8 inches wide, with cock mouldings	1	5	1	16	10
	20	Sprung grounds to ditto	0	7	0	11	8
	20	Neat reeded plancers and freeing beads, including grounds	0	10	0	16	8
		Two quadrant fluted fans.....			0	9	2
		Double hanging the sashes, with parting beads and letting-in pulley boxes			0	5	6
	31	Plinth and backing to Architraves ..	0	4½	0	11	7½
		Setting and ranging frame			0	4	2
		Neat expense at £6 per Ton.			13	12	8½

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TABLE XXXIII.

Window, 6 Feet by 4 clear.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	23	Frame, including outside casings..	0	9	0	17	3
	17	5½ Inch Inside casings	0	5½	0	7	9½
	24	Sashes not dowelled, made out of 2 inch plank	1	2	1	8	0
	20	Moulded slips not sprung	0	3½	0	5	10
	17	Parting beads and short stops	0	3	0	4	3
4	0	Framed soffit, back and elbows, including grounds.....	8	0	1	12	0
5	0	Ditto shuts moulded both sides.....	8	6	2	2	6
3	0	Bead and butt jamb linings	8	0	1	4	0
	24	Neat double-faced architraves, cock mouldings, and sprung inside	1	4	1	12	0
	20	Sprung ground to ditto.....	0	7	0	11	8
	20	Moulded planceers and freeing beads, including grounds	0	8	0	13	4
	28	Plinth and backing to architraves...	0	4½	0	10	6
		Double hanging the sashes, with parting beads and letting-in boxes..	..	..	0	5	0
		Setting and ranging frame	..	..	0	3	0
		Neat expense at £6 per Ton.	..	..	11	17	1½

Note—For the rise or fall on Timber, in the estimated tables of Windows and Doors, see Table 34.

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TABLE XXXIV.

Window 5 by 4 Feet clear.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	21	Frame, including outside casings...	0	9	0	15	9
	15	Of 5½ inch Inside casings.....	0	5	0	6	3
	20	Sashes not dowelled of 2inch plank..	1	1	1	1	8
	33	Slips and parting beads.....	0	3	0	8	3
4	0	Framed soffits backs and elbows ..	8	0	1	12	0
4	0	Framed and molded shutts	8	6	1	14	0
2	0	Ditto jamb linings	8	0	0	16	0
	20	Of 5½ inch double-faced architraves..	1	0	1	0	0
	18	Sprung grounds to ditto	0	6	0	9	0
	20	Moulded planceers and freeing beads	0	7	0	11	8
	24	Plinth and backing to architraves ..	0	4½	0	9	0
		Double hanging the sashes, including letting-in pulley boxes, and parting beads	....		0	4	0
		Setting and ranging frame	....		0	2	2
		Neat expense at £6 per Ton.	....		9	9	9

Note.—For every 20*s.* rise or fall per Ton, agreeable to the stated price, you have to add or reduce one sixteenth to or from the above, and same in similar Tables.

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TABLE XXXV.

Window 5 by 3 Feet clear.

Yds.	Feet		At per. s.	d.	£.	s	d.
	18	Frame including outside casings....	0	8	0	12	0
	14	Of 5 inch Inside casings.....	0	4½	0	5	3
	15	Sashes 1¾ inch plank	1	0	0	15	0
	22	Beaded slips and stops.....	0	3	0	5	6
2	4½	Framed shuts, including rabbeting, fitting and hanging	8	6	1	1	3
2	4½	Plain back soffits and elbows, including grounds.....	8	0	1	0	0
	18	Single-faced architraves 4½ inch face	0	8	0	12	0
	22	Plinth and backing to ditto	0	4	0	7	4
		Single hanging including letting-in pulleys.....	..	..	0	1	8
		Setting and ranging frame	..	..	0	1	10
		Neat expense at £6 per Ton.	..	..	5	1	10

TABLE XXXVI.

Window 4 by 3 Feet clear.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	16	Frame, including outside casings ..	0	8	0	10	8
	13	Inside casings 4 inches wide	0	4	0	4	4
	12	Sashes in ditto 1½ inch bar	1	0	0	12	0
	18	Slips and stops	0	3	0	4	6
4	0	Plain clamped shuts, board and soffits, including grounds	7	0	1	8	0
	13	Architraves from window board, up to 4 inches wide, and narrow backs put on	0	7	0	7	7
		Setting and ranging, frame including single hanging sash	..	..	0	3	0
		Neat expense at £6 per Ton.	..	..	3	10	1

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TABLE XXXVII.

Estimate for a Pair of Folding Doors, complete 9 by 8 feet clear, in a 9 inch Brick Wall.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	12	Superficial of 2 inch saddled plank laid on joists, including cutting away floor for ditto	3	0	1	16	0
	11	Wrought and framed head scantling 8 by 6, including fixing up securely plowed and freeing beads in solid ..	3	0	1	13	0
	18	Ditto story posts 6 inches by 4 inches square, rabbeted, plowed and freeing beads in solid	1	10	1	13	0
	26	Linings groved in average 5 inches by 1 inch square, and solid grounds to ditto	0	7	0	15	2
	18	Tumbling stiles to free doors home to face of wall, 6 by 2¼ rule joint..	1	4	1	4	0
16	1	Framed wainscot in ditto, doors clear of stiles, the framing put together, square and raised moldings laid on and mitred, containing 12 pannels	8	6	6	18	10
		Rabbeting, fitting and hanging, putting on mortice lock and furniture	..	..	0	6	0
	42	Very neat inverted pilasters, interior face fluted or counterfluted, and square blocks on freeze about 9 inches broad	2	6	5	5	0
	18	Very neat entabliture to ditto, with tablet breaks, &c. &c. 18 inches deep.....	4	0	3	12	0
		Neat expense at £6 per Ton.	..	..	23	3	0

N. B. If there is a sufficient lintel and arch over, deduct 11 feet at 1*s.* per. for the reduction of head, equal to the post if reeded; and if the jambs and head are all quadrant on plan, add 1*s.* per foot; if reeded on face of ditto, 1*s.* 8*d.*

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TABLE XXXVIII.

For a Hall Door double margin 8 *by* 4 *feet clear,* 3 *inches thick,* 9 *Pannels raised outside, Bead and Butt or flush inside complete.*

Yds.	Feet		At per. s.	d.	£.	s.	d.
	24	Scantling frame rabbeted, and groved for linings screwed to stone frame 6 inches by 5 inches	2	2	2	12	0
3	0	Strong linings groved into frame on splayed jambs, and grounds under..	8	6	1	5	6
	24	Very neat inverted pilasters, fancy caps and bases, reeded or fluted, about 9 inches wide, including neat entablature to correspond with caps of pilasters and grounds	4	0	4	16	0
12	0	Mitre framing hall-door, with 9 raised and moulded pannels in front inside bead and flush or butt	8	6	5	2	0
		Fitting, hanging, and putting on lock and securities, complete value	..	..	0	8	8
		If a second pair of pilasters and linings are required round side lights, say 18 feet pilasters including the return caseings, ...	4	0	14 3	4 12	2 0
		Neat expense at £6 per Ton.	..	..	17	16	2
		As ornamented Sashes at sides and over are mostly metal, I do not think it requisite to set them down here.					

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TABLE XXXIX.

Drawing Room or Parlour Door, in a 9 inch Wall 7 by 3 feet 6 inches clear, and 2⅛ inch thick.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	19	Frame 6 by 3 plowed with freeing, beads and stops in solid	1	2	1	2	2
	18	Linings 4 by 1¼ rabbeted and groved in blocks behind ditto.....	0	6	0	9	0
	39½	Double-faced architraves 7 inches face, raised moldings first face reeded	1	6	2	19	3
5	6	Framed door 6 pannels, molding mitred on to project	8	6	2	8	2
		Fitting, hanging, and putting on mortice lock and furniture	....		0	5	0
	5	Superficial of saddle cill and grounds including cutting for ditto	1	0	0	5	0
		Neat expense at £6 per Ton.	....		7	8	7
		If in a 4½ inch partition deduct 5*s*.					

N. B. And if in a 14 inch Wall, add 5*s*. to the above.—if in a 18 ditto 10*s*. ditto.—if in a 22½ ditto 15*s*. ditto.—if in a 27 ditto £1. do. if in a 2 feet 7½ inches £1. 5*s*. ditto—if in a 3 feet ditto £1. 10*s*. ditto—The ground in all cases framed, and adequate to the bearing, also the linings framed, bead and flush, where exceeding 8 inches broad on either side of the frame.

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TABLE XL.

ed Chamber Door and appendages, 6 feet 6 inches by 3 feet 2 inches, and 1¼ inch thick, in a 9 inch Wall.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	18	Rabbeted frame and freeing beads in solid 5 by 3 inches.....	0	10	0	15	0
	16½	Linings rabbeted and groved into a frame 4 inches by 1, with blocks..	0	5	0	6	10½
	36	Of 5½ inch double-faced architraves..	1	0	1	16	0
4	6	Framed door with moldings in solid..	8	6	1	19	8
		Fitting, hanging, and putting on mortice lock	..	..	0	3	0
	5	Superficial saddle cill and grounds..	0	10	0	4	2
		Neat expense at £6 per Ton.	..	..	5	4	8½
		If 5 inch single-faced architraves, deduct 36 feet of ditto at 4d.	12	0			
		If iron rimmed lock deduct	2	3	0	17	9
		If the frame is in a partition deduct..	3	6			
					4	6	11½

TABLE XLI.

Attick or Garrett Door, 6, 3 by 3 feet, and 1⅛ inch thick, finished in a 9 inch Wall.

Yds.	Feet		At per. s.	d.	£.	s.	d.
	17	Frame 4½ by 2 inch, not groved nor rabbeted	0	7	0	9	11
1	3	Of 1 inch linings to ditto, rabbeted on block behind	7	0	0	9	4
	34	Of 4½ inch single-faced architraves..	0	8	1	2	8
3	3	Framed door to ditto.....	8	6	1	8	4
		Fitting, hanging, and putting on iron rimmed lock	..	..	0	2	0
		Neat expense at £6 per Ton.			3	12	3
		If in a 4½ inch partition deduct			0	3	3
		And if in a 14 inch wall add 3s. 6d.					
					3	9	0

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TABLE XLII.

An Abstract Table shewing the Value of Carpenters Work, furnishing all Materials and done in best manner.

Framed Roofing.—Timber fluctuating from 5*l.* to 15*l.* per Ton.

Span in Clear. Feet	5*l.* per T	6*l.* per T	7*l.* per T	8*l.* per T	9*l.* per T	10*l.* per T	11*l.* per T	12*l.* per T	13*l.* per T	14*l.* per T	15*l.* per T
	l. *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*	*l.* *s.*
72	9 17	11 2	12 7	13 12	14 17	16 2	17 7	18 12	19 17	21 2	22 7
65	7 10	8 8	9 7	10 6	11 5	12 3	13 2	14 1	15 0	15 18	16 17
50	6 16	7 12	8 8	9 5	10 1	10 18	11 14	12 10	13 7	14 3	15 0
46	6 5	7 0	7 14	8 9	9 3	9 18	10 12	11 7	12 1	12 16	13 10
38	5 18	6 11	7 4	7 18	8 11	9 4	9 18	10 11	11 4	11 18	12 11
30	5 14	6 7	7 0	7 13	8 6	8 18	9 11	10 4	10 17	11 9	12 2
24	5 7	5 19	6 11	7 3	7 15	8 8	9 0	9 12	10 4	10 16	11 8
20	4 18	5 9	5 19	6 10	7 1	7 12	8 3	8 14	9 4	9 15	10 6

Common Roofing—first Roof two Purloins each side, remainder Collars.

24	2 18	3 5	3 12	3 19	4 6	4 13	5 1	5 8	5 15	6 2	6 9
20	2 13	3 0	3 6	3 13	4 0	4 7	4 13	5 0	5 7	5 14	6 0
16	2 5	2 11	2 16	3 2	3 7	3 13	3 18	4 4	4 9	4 15	5 0
13	1 16	2 0	2 4	2 8	2 12	2 16	3 0	3 4	3 8	3 12	3 16

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Joists and Plank Dowelled, measuring superficial Inches on end of Joists and thickness of Plank.

Supl.	Thick	5*l.*		6*l.*		7*l.*		8*l.*		9*l.*		10*l.*		11*l.*		12*l.*		13*l.*		14*l.*		15*l.*	
Inches	Inch	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*	*l.*	*s.*
42	1½	9	10	10	13	11	16	12	19	14	2	15	5	16	8	17	11	18	14	19	17	21	0
36	1½	9	1	10	3	11	5	12	7	13	9	14	11	15	13	16	15	17	17	18	19	20	1
32	1¼	7	17	8	16	9	14	10	12	11	11	12	9	13	7	14	6	15	4	16	2	17	1
27	1¼	7	5	8	1	8	18	9	14	10	11	11	7	12	4	13	1	13	17	14	14	15	10

Ditto not Dowelled, in Reduced Breadths.

27	1½	7	4	8	2	9	0	9	18	10	16	11	14	12	12	13	10	14	8	15	6	16	4
24	1¼	6	5	7	0	7	16	8	11	9	6	10	2	10	17	11	12	12	8	13	3	13	18
18	1⅛	5	9	6	1	6	14	7	7	8	0	8	13	9	6	9	18	10	11	11	4	11	17

Straight Joint Flooring, with Boards.

27	1½	6	14	7	12	8	10	9	8	10	6	11	4	12	2	13	0	13	18	14	16	15	14
24	1¼	5	17	6	12	7	8	8	3	8	18	9	14	10	9	11	4	12	0	12	15	13	10
18	1⅛	5	3	5	15	6	8	7	1	7	14	8	7	9	0	9	12	10	5	10	18	11	11
16	1⅛	4	16	5	8	6	0	6	12	7	4	7	16	8	8	9	0	9	12	10	4	10	16
14	⅞	4	3	4	14	5	4	5	14	6	4	6	14	7	4	7	15	8	5	8	15	9	5

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Abstract Table continued.

Broken Joint Flooring.

Supl. Inch	Thick Inch	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
		l. s.	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*	*l. s.*
12	1	4 0	4 10	5 0	5 10	6 0	6 10	7 0	7 10	8 0	8 10	9 0
10½	¾	3 9	3 18	4 6	4 14	5 3	5 11	5 19	6 8	6 16	7 4	7 13
9	⅝	3 4	3 12	4 0	4 7	4 15	5 3	5 10	5 18	6 6	6 13	7 1
6	⅜	2 18	3 4	3 11	3 18	4 5	4 12	4 18	5 5	5 12	5 18	6 5

Double-faced Architraves, Fluted or Counter Fluted, 9 to 10 inches face.

Stile of Work.											
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	3 0	3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8	3 9	3 10
2	2 4	2 5	2 6	2 7	2 8	2 9	2 10	2 11	3 0	3 1	3 2

Ditto 8 to 9 Inches Face.

1	2 6	2 6	2 7	2 7	2 8	2 8	2 9	2 9	2 10	2 10	2 11
2	2 0	2 0	2 1	2 1	2 2	2 2	2 3	2 3	2 4	2 4	2 5

Ditto neat and plain with Cock Moulding, 7 to 8 inches face.

1	1 10	1 10	1 11	1 11	2 0	2 0	2 1	2 1	2 2	2 2	2 3
2	1 8	1 8	1 9	1 9	1 10	1 10	1 11	1 11	2 0	2 0	2 1

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Double-faced Architraves, neat and plain, with Cock Molding 6 to 7 inch face.

Stile of Wk.	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	1 7	1 7	1 8	1 8	1 9	1 9	1 10	1 10	1 11	1 11	2 0
2	1 5	1 5	1 6	1 6	1 7	1 7	1 8	1 8	1 9	1 9	1 10

Single-faced 5 to 6 Inches face, and in proportion more or less.

1	0 9	0 9	0 10	0 10	0 11	0 11	1 0	1 0	1 1	1 1	1 1
2	0 7	0 7	0 8	0 8	0 9	0 9	0 10	0 10	0 10	0 11	0 11

Framed Wainscot, 1st. 2d. & 3d. rate as executed, reduced to inch at per Yard.

1	7 9	8 3	8 9	9 3	9 9	10 3	10 9	11 3	11 9	12 3	12 9
2	7 3	7 9	8 3	8 9	9 3	9 9	10 3	10 9	11 3	11 9	12 3
3	6 6	7 0	7 6	8 0	8 6	9 0	9 6	10 0	10 6	11 0	11 6

Ditto with Clamps Framed, (and fair 2 sides.)

1	7 0	7 6	8 0	8 6	9 0	9 6	10 0	10 6	11 0	11 6	12 0
2	6 4	6 10	7 4	7 10	8 4	8 10	9 4	9 10	10 4	10 10	11 4

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Abstract Table continued.

Plain Wainscot reduced to Inch.

Stile of Wk.	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	6 0	6 6	7 0	7 6	8 0	8 6	9 0	9 6	10 0	10 6	11 0
2	5 8	6 2	6 8	7 2	7 8	8 2	8 8	9 2	9 8	10 2	10 8

Ditto $\frac{3}{4}$ to $\frac{7}{8}$.

1	5 3	5 8	6 1	6 6	6 11	7 4	7 9	8 2	8 7	9 0	9 5
2	5 0	5 5	5 10	6 3	6 8	7 1	7 6	7 11	8 4	8 9	9 2

Ditto $\frac{5}{8}$ to $\frac{3}{4}$.

1	4 8	5 0	5 4	5 8	6 0	6 4	6 8	7 0	7 4	7 8	8 0
2	4 4	4 8	5 0	5 4	5 8	6 0	6 4	6 8	7 0	7 4	7 8

Dowelled Sashes, Tapered, $2\frac{1}{4}$ to $2\frac{1}{2}$ Bar.

1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	2 10	2 11	3 0
2	1 9	1 10	1 11	2 0	2 1	2 2	2 3	2 4	2 5	2 6	2 7

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Abstract Table continued.

Dowelled Sashes, not Tapered, from 2 to $2\frac{1}{4}$ inches Bar.

Stile of Wk.	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	1 6	1 7	1 8	1 9	1 10	1 11	2 0	2 1	2 2	2 3	2 4
2	1 4	1 5	1 6	1 7	1 8	1 9	1 10	1 11	2 0	2 1	2 2

Ditto, double franked, not Dowelled, 2 to $2\frac{1}{4}$. inch Bar.

1	1 4	1 4	1 5	1 5	1 6	1 6	1 7	1 7	1 8	1 8	1 9
2	1 2	1 2	1 3	1 3	1 4	1 4	1 5	1 5	1 6	1 6	1 7

Ditto, single franked, $1\frac{1}{4}$ to 2 inch Bar.

1	1 0	1 0	1 1	1 1	1 2	1 2	1 3	1 3	1 4	1 4	1 5
2	0 10	0 10	0 11	0 11	1 0	1 0	1 1	1 1	1 2	1 2	1 3

Roof Sashes for Green Houses, $2\frac{1}{8}$ to $2\frac{1}{4}$. inch Bar.

1	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	1 10	1 11
2	0 11	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9

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Abstract Table continued.

Roof Sashes for Green Houses 1¼ to 2 inch Bar.

Stile of Wk.	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	1 0	1 0	1 1	1 1	1 2	1 2	1 3	1 3	1 4	1 4	1 5
2	0 10	0 10	0 11	0 11	1 0	1 0	1 1	1 1	1 2	1 2	1 3

Gothic Reeded Pilasters with Caps and Base, 8 to 9 inch face.

1	3 6	3 8	3 10	4 0	4 1	4 3	4 4	4 5	4 6	4 7	4 8
2	2 10	2 11	3 0	3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8
3	2 0	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	2 10

Ditto, 7 to 8 inch face.

1	2 10	2 11	3 0	3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8
2	2 4	2 5	2 6	2 7	2 8	2 9	2 10	2 11	3 0	3 1	3 2
3	1 8	1 9	1 10	1 11	2 0	2 1	2 2	2 3	2 4	2 5	2 6

Ditto, 6 to 7 inch face.

1	2 0	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	2 10
2	1 6	1 7	1 8	1 9	1 10	1 11	2 0	2 1	2 2	2 3	2 4

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Abstract Table continued.

Pilasters with Caps and Bases, neat plain Inverted, 6 to 7 inch face.

	5*l.*	6*l.*	7*l.*	8*l.*	9*l.*	10*l.*	11*l.*	12*l.*	13*l.*	14*l.*	15*l.*
Stile of Wk.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*	*s. d.*
1	1 2	1 3	1 4	1 5	1 6	1 8	1 9	1 10	1 11	2 0	2 1
2	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	1 10

Ditto, 4 to 6 inch face.

1	1 0	1 0	1 1	1 1	1 2	1 2	1 3	1 3	1 4	1 4	1 5
2	0 10	0 10	0 11	0 11	1 0	1 0	1 1	1 1	1 2	1 2	1 3

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TABLE XLIII.

Stair Cases, Story from 15 to 17 feet clear, Steps from 4½ to 5 feet long.

Feet		At per. £.	s.	d.	£.	s.	d.
45	Cill and Trimmers average 12 by 3 inches square	0	0	8	1	10	0
60	Joists to half pace 9 by 2	0	0	4	1	0	0
108	Sleepers 6 by 4	0	0	6	2	14	0
104	Bracketting 6 by 1..	0	0	1½	0	13	0
240	Plank for Steps 12 by 1½	0	0	4	4	0	0
45	Strings facias cartouces &c. 16 by 1½..	0	0	6	1	2	6
35½	Raking base and skirting 12 by 1½..	0	0	4	0	11	10
20	Horizontal on half pace 8 by 1½	0	0	2½	0	4	2
60	Plank flooring ditto 12 by 1½	0	0	4	1	9	0
36	Ditto Ballusters and grounds to hand and Gallery Rails 12 by 1½	0	0	4	0	12	0
	Amount of Timber at £5 per Ton....	..		..	13	16	6
	Each 20*s.* rise per Ton add ¼ which is £2. 15*s.* 3*d.*						
40	Mahogany for rails, scrolls, and ramps 8 by 1½	0	2	0	4	0	0
	2¼ Ton of Carriage...	0	5	0	0	13	9
	500 Sawing	0	4	0	1	0	0
	Nails, spikes, dowels, and glue	..		..	2	5	6
	Brought Up.	..		..	21	15	9

Prime cost per Ton.	Neat expense for one story complete.		
£.	£.	*s.*	*d.*
5	52	7	0
6	55	2	3
7	57	17	6
8	60	12	9
9	63	8	0
10	66	3	3
11	68	18	6
12	71	13	9
13	74	9	3
14	77	4	3
15	79	19	6

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Table XLIII. *continued.*

Feet		At per. £.	s.	d.	£.	s.	d.
	Brought forward.	..	..		21	15	9
	WORKMANSHIP ONLY.						
213	Lineal of Framed Trimmers Joists & Sleepers.....	0	0	7	6	4	3
104	Brackets.....	0	0	3	1	6	0
240	Superficial of Wainscot on Steps, Risers rabbeted blocked and glued	0	0	6	6	0	0
180	Mouldings and landings on ditto.....	0	0	3½	2	12	6
60	Superficial of Strings double-faced, including moldings and cartuses.....	0	1	0	3	0	0
36	Raking base and skirting.....	0	0	10	1	10	0
20	Horizontal ditto....	0	0	5	0	8	4
60	Dowelled plankflooring.....	0	0	3½	0	17	6
	80 Ballustrades prepared and turned..	0	0	10	3	6	8
40	Mahogany Rail....	0	1	3	2	10	0
	Extra for 1 Volute.....	..		..	1	16	0
	Horse shoe, ramp and twist.....	..		..	1	0	0
	Neat expense at £5 per T.	..		..	52	7	0

N. B. If plain strings, deduct 7*s.* 2*d.* off each line of prices in the gross sum, being the difference in Workmanship.

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TABLE XLIV.

Story from 13 *to* 15 *feet clear, Steps from* 4 *to* 4½ *feet long each.*

Feet		At per. £.	s.	d.	£.	s.	d.
40	Cill and Trimmers 10 by 3	0	0	6½	1	1	8
50	Joists 8 by 2	0	0	3½	0	14	7
90	Sleepers and Bridging 5 by 4	0	0	4½	1	13	9
86	Braeketting 6 by 1	0	0	1½	0	10	9
182	Plank for Steps 12 by 1½	0	0	4	3	0	8
40	Strings facia, &c. 15 by 1½	0	0	5	0	16	8
30	Raking Skirting 12 by 1½	0	0	4	0	10	0
18	Horizontal ditto 8 by 1½	0	0	2½	0	3	9
50	Plank Flooring 12 by 1½	0	0	4	0	16	8
31	Ditto Ballustrades & Grounds 12 by 1½	0	0	4	0	10	4
	Amount of Timber at £5 per Ton	..		..	9	18	10
	Each 20*s.* rise per Ton advances $\frac{1}{5}$, which is 1*l.* 19*s.* 9*d.*						
36	Mahogany for Rails 3 by 2	0	1	0	1	16	0
	2 Ton of Carriage	0	5	0	0	10	0
	400 Sawing	0	4	0	0	16	0
	Nails, Spikes, Glue, &c.	..		..	1	18	0
	Brought up.				14	18	10

Prime cost per Ton.	Neat expense for one Story.		
£.	£.	s.	d.
5	37	6	5
6	39	6	2
7	41	5	11
8	43	5	8
9	45	5	5
10	47	5	2
11	49	4	11
12	51	4	8
13	53	4	5
14	55	4	2
15	57	3	11

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Table XLIV. *continued.*

Feet		At per. £	*s.*	*d.*	£	*s.*	*d.*
	Brought forward.	..	..		14	18	10
	WORKMANSHIP ONLY.						
180	Trimmers, Joists, & Sleepers.....	0	0	6½	4	17	6
76	Brackets.....	0	0	2½	0	15	9
182	Steps, Risers, &c...	0	0	5½	4	3	5
130	Moldings.....	0	0	3	1	12	6
40	Strings.....	0	0	11	1	16	8
30	Raking Skirting...	0	0	9	1	2	6
18	Horizontal ditto....	0	0	4½	0	6	4½
50	Flooring	0	0	3	0	12	6
	6 doz. Ballusters prepared and turned..	0	8	0	2	8	0
36	Mahogany Rails,&c.	0	1	2	2	2	0
Extra for one Volute....		..	..		1	14	1½
Horse Shoe & Ramp		..	..		0	16	3
Neat expense at £5 per T.		..	..		37	6	5

N. B. If plain Strings facias, &c. deduct one-fourth of the Workmanship off each column of price, which is £5 1*s.* 11*d.*

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TABLE XLV.

Story from 11 *to* 13 *feet clear, Steps from* 3 *to* 4 *feet* 3 *inches long.*

Feet		At per. £.	s.	d.	£.	s.	d.
32	Cill and Trimmers 10 by 2½	0	0	5½	0	14	8
35	Joists half-pace 8 by 1½	0	0	2½	0	7	3½
80	Sleepers 5 by 4	0	0	4½	1	0	0
76	Brackets 6 by 1....	0	0	1½	0	9	6
168	Steps and Risers 12 by 1¼	0	0	3½	2	9	0
36	Strings and facia, 14 by 1¼	0	0	4	0	12	0
26	Raking Skirting 12 by 1¼.....	0	0	3½	0	7	7
16	Horizontal ditto 7 by 1¼	0	0	2	0	2	8
36	Plank Flooring 12 by 1¼	0	0	3½	0	10	6
28	Ditto Grounds to hand Rail & Ballustrades 12 by 1¼ ..	0	0	3½	0	8	2
	Amount of Timber at £5 per Ton....	..	..		7	1	4½
	Each 20*s.* rise per Ton adds ¼, which is 1*l.* 8*s.* 3*d.*						
34	Mahogany for Rails average 3 by 2....	0	1	0	1	14	0
	1½ Ton of Carriage...	0	5	0	0	7	6
	300 Sawing	0	4	0	0	12	0
	Nails, Spikes, Glue, &c.....	..	..		1	17	6
	Brought up.	..	..		11	12	4½

Prime cost per Ton.	Neat expense for one Story. £.	s.	d.
£.			
5	31	6	10
6	32	15	1
7	34	3	4
8	35	11	7
9	36	19	10
10	38	8	1
11	39	16	4
12	41	4	7
13	42	12	10
14	44	1	1
15	45	9	4

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Table XLV. *continued.*

Feet		At per. £.	s.	d.	£.	s.	d.	
	Brought forward.	..	..		11	12	4½	
	WORKMANSHIP ONLY.							
148	Joists, Trimmers, & Sleepers.....	0	0	6	3	14	0	
76	Brackets.....	0	0	2½	0	15	8	
178	Steps and Risers	0	0	5½	4	1	7	
120	Moldings	0	0	3	1	10	0	
36	Strings.....	0	0	10	1	10	0	
26	Raking Skirting...	0	0	9	0	19	6	
16	Horizontal ditto...	0	0	4½	0	6	0	
36	Flooring.....	0	0	3	0	9	0	
	5¼ dozen of Balustrades.....	0	8	0	2	6	0	
34	Mahogany Rails, &c.	0	1	1	1	16	10	
	One Volute	..	..		1	10	0	
	Horse Shoe and Ramp..	..	...		0	15	10½	
	Neat expense at £5 per T.	..	..		31	6	10	

TABLE XLVI.

Story from 9 *to* 11 *feet clear, Steps from* 3½ *to* 3½ *feet long.*

Feet		At per. £.	s.	d.	£.	s.	d.	
24	Cill and Trimmers 10 by 2.....	0	0	4½	0	9	0	
24	Joists to half-pace 6½ by 1½	0	0	2½	0	5	0	
60	Sleepers 4½ by 3 ...	0	0	3	0	15	0	
56	Bracketting 6 by 1..	0	0	1½	0	7	0	
96	Steps and Risers 12 by 1⅛	0	0	3	1	4	0	
24	Strings and Facia 12 by 1⅛	0	0	3	0	6	0	
	Carried forward.	..	..		3	6	0	

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Table XLVI. *continued.*

Feet		At per. £.	s.	d.	£.	s.	d.
	Brought forward.	..	..		3	6	0
20	Raking Skirting 10 by 1	0	0	2½	0	4	2
12	Horizontal ditto 6 by 1	0	0	1½	0	1	6
22	Flooring half-pace 12 by 1½	0	0	3	0	5	6
18	Plank for Ballustrades and Rails 12 by 1¼.....	0	0	5	0	7	6
	Amount of Timber at £5 per Ton....	..	..		4	4	8
	Each 20s. rise per Ton adds ⅕, which						
7	is 16s. 11d.						
	Mahogany Rails, Scroll, ramp, &c. 12 by 1¼.....	0	2	8	0	18	8
	One Ton of Carriage	..	..		0	5	0
	200 Sawing	..	..		0	8	0
	Glue, Nails, Spikes, and Screws	..	..		1	0	0
	WORKMANSHIP ONLY.				6	16	4
108	Cill, Joists, and Sleepers	0	0	4	1	16	0
56	Brackets	0	0	2½	0	11	8
96	Steps and Risers ...	0	0	5	2	0	0
24	Strings and Facia ..	0	0	6	0	12	0
20	Raking Skirting ...	0	0	7	0	11	8
12	Horizontal ditto ...	0	0	3½	0	3	6
22	Flooring	0	0	2½	0	4	7
26	Deal Ground, and Mahogany capping	0	0	10	1	1	8
4 Dozen	Ballustrades prepared and turned	0	8	0	1	12	0
One	Volute and Twist..	..	..		1	0	0
	Neat expense at £5 per T.	..	..		16	7	5

Prime cost per Ton.	Neat expense for one Story.		
£.	£.	s.	d.
5	16	7	5
6	17	4	4
7	18	1	3
8	18	18	2
9	19	15	1
10	20	12	0
11	21	8	11
12	22	5	10
13	23	2	9
14	23	19	8
15	24	16	7

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TABLE XLVII.

Story from 8 to 10 Feet clear, Steps from 2 feet 8 inches to 3 feet long.

Feet		At per. £.	s.	d.	£.	s.	d.
20	Cill and Trimmers, 10 by 2	0	0	4½	0	7	6
20	Joists half pace, 5 by 1½	0	0	2	0	3	4
37	Sleepers, 4 by 3	0	0	2½	0	7	8½
36	Bracketting, 6 by 1	0	0	1½	0	4	6
84	Steps and risers, 12 by 1	0	0	2½	0	17	6
24	Strings and Facia, 12 by 1	0	0	2½	0	5	0
18	Raking Skirting, 9 by 1	0	0	2	0	3	0
12	Horizontal ditto, 5 by 1	0	0	1½	0	1	0
20	Flooring, half pace, 12 by 1	0	0	2½	0	4	2
24	Plank for Ballustrades Posts, Planceers and Rails, 12 by 1¼	0	0	5	0	10	0
	Amount of Timber at £5 per Ton	..	..	..	3	3	8½
	Each 20*s.* rise per Ton adds ⅕, which is 12*s.* 9*d.*						
	¾ Ton of Carriage,				0	3	9
	1¾ Hundred Sawing.				0	7	0
	Nails, Spikes, Glue, &c.				0	18	0
	Carried over.				4	12	5½

Prime cost per Ton.	Neat expense for one story.		
£.	£.	s.	d.
5	11	6	7
6	11	19	4
7	12	12	1
8	13	4	10
9	13	17	7
10	14	10	4
11	15	3	1
12	15	15	10
13	16	8	7
14	17	1	4
15	17	14	1

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Table XLVII. *continued.*

Feet		£.	s.	d.	£.	s.	d.
	Brought forward				4	12	5½
	WORKMANSHIP ONLY.						
77	Cill, Trimmers, Joists and Sleepers.....	0	0	3	0	19	3
36	Brackets	0	0	2½	0	7	1
84	Steps and Risers...	0	0	5	1	15	0
24	Strings and Facia ..	0	0	5	0	10	0
18½	Raking Skirting ...	0	0	6	0	9	2
12	Horizontal ditto ...	0	0	3	0	3	0
20	Flooring	0	0	2½	0	4	0
24	Rail capped with Mahogany.....	0	0	10	1	0	0
3	Posts prepared and turned	0	1	9½	0	5	7½
	3½ Dozen Ballustrades, ditto.....	0	6	0	1	1	0
	Neat expense at £5 per T.	..	..	..	11	6	7

Note.—If the Rail is not capped with Mahogany, deduct off the above 10*s.*

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TABLE XLVIII.

Dog legged Stairs, Story from 9 feet 6 inches to 10 feet 6 inches in the clear, Steps averaged 3 feet long.

Feet		At per. £.	s.	d.	£.	s.	d.
60	Cill, Trimmers and Sleepers, averaged 5 by 3	0	0	3½	0	17	6
12	Joists ¼ pace, 5 by 2	0	0	2½	0	2	6
44	Bracketting, 6 by 1 .	0	0	1½	0	5	6
108	Plank in steps, risers and ¼ pace, 12 by 1	0	0	3	1	7	0
26	Strings and Facia 12 by 1	0	0	3	0	6	6
22	Raking Skirting, 9 by ¾	0	0	2	0	3	8
8	Horizontal ditto, 6 by ¾	0	0	1	0	0	8
25	Plank, in Ballustrades, Posts, and Rails, 12 by 1¾ ...	0	0	4½	0	9	4½
	Amount of Timber at £5 per Ton. ...	..		..	3	12	8½
	Each 20s. rise per Ton adds ⅐, which is 14s. 6½d.						
	¾ Ton of Carriage..	..		..	0	3	9
	1¼ Hundred Sawing.	0	4	0	0	7	0
	Nails, Glue, &c. ..	..		..	1	0	0
	Carried forward.	..		..	5	3	5½

Prime cost per Ton.	Neat expense for one Story.		
£.	£.	s.	d.
5	11	13	5½
6	12	8	0
7	13	2	6½
8	13	17	1
9	14	11	7½
10	15	6	2
11	16	0	8½
12	16	15	3
13	17	9	9½
14	18	4	4
15	18	18	10½

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Table XLVIII. *continued.*

Feet		At per. £	s.	d.	£.	s.	d.
	Brought forward.	..	..		5	3	5½
	WORKMANSHIP ONLY.						
72	Cill, Trimmers, Sleepes, and Joists framed in.....	0	0	3	0	18	0
44	Bracketting	0	0	2½	0	9	2
108	Steps, &c. neatly finished	0	0	5	2	5	0
26	Strings and Facia...	0	0	5	0	10	10
22	Moulded Raking Skirting	0	0	6	0	11	0
8	Horizontal ditto ...	0	0	3	0	2	0
120	Square Ballustrades	0	0	1½	0	15	0
38	Posts and Rails opened and capped in solid deal	0	0	6	0	19	0
Neat expense at £5 per T.		..	..		11	13	5½

Note.—If Nosings are only rounded and finished in the plainest manner, deduct 18s. off each Story.

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ON STAIRS.

STAIRS are under three heads, viz.—GEOMETRICAL, BRACKET, and DOG LEGGED.

GEOMETRICAL STAIRS are of that construction which seems to the unscrutinising to have no support for the steps, having neither carriages nor leading pieces to bear upon, the properties of which I shall hereafter describe.

BRACKET STAIRS are such as have strings and newels, and are supported by carriages and leading pieces of timber, the brackets of which are mitred to the ends of risers, and finishes on the string board, which is molded like an architrave.

DOG LEGGED STAIRS are such as have no vacuum, or space between the leading and returning flight, but wind round, and are neweled to the top; these, if there be room, have also leading pieces for their support, if not, they are sometimes fixed into strings on both sides, and put to the bearers for their winders.

Of the Practice of Stairs.

Of DOG LEGGED STAIRS, the elevation of which depend solely on the nature and size of the place they are to be fixed on—Such as the length and width of the place, also the heighth of the different stones; the chief thing is the heighth, for let the place, as to dimentions, should it be short, you must have a sufficient thread for the steps; the advantage thereof for getting up must be taken in the half space, which may be divided into any number of winders required. For the better understanding of these, mark the following examples:

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First—Upon a board make a scale of ground plan, viz: the length and breadth; in the centre of breadth, set off the newels, and this done, you will have the length of your steps.

Secondly—Divide your length to the half space, for the number of straight flyers, both going to and returning from half space to the first story, then leave your half space till you have divided your height.

Thirdly—By the side of the ground plan, continue up your newels, and having divided your height to the nearest number of steps you can; having counted the number of straight flyers, both going to and returning, the remainder to make up the height of the story must be had in half space, equally divided.

Fourthly—Continue the lines of your width of steps upon the plan of the first straight flight, and likewise must place them, from the different heights nailed on the newel, which forms the section of the ends of the steps; afterwards to the threads, set on the projection of the nosings, and from a straight edge, draw a line, which will be the upper edge of the string, allowing for thickness of leading pieces, lath and plaister; then draw the side of the rail paral-l to string, two feet wide upon the square with knee, if there be one: this will complete the geometrical section of the first flight.

Fifthly—Count the number of winders in the half space, at the top of which, draw a base line to the length of your returning flight, which may contain one or two less than the first flight, as may be convenient for landing—proceed with your section as before.

How to set out a Newel for turning.

The proper limit for the bottom of the turning, take the rake of the steps nosing, allowing the thickness of

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the capping, and when that falls, on inside of newel is the mark (or ought to be) for turning.

The newel of returning flight must have an addition of one step in height, then the rake of pitch board, or nosing as before observed.

Of setting out a Cap and Mitering a Square before it is sent to the Turner.

Draw the breadth of rail, add the projection of moldings of both sides for the outward diameter of the cap, from which draw a circle, and set within the circle the projections of the moldings transferred from a straight rail, and draw inner circles to the different numbers, &c. &c.

Of Bracket Stairs.

Bracket Stairs differ nothing from Dog Legged Stairs that require newels and strings, they only have a well-hole between leading and returning flight; some are square, others circular, or oval, instituted of the ends of steps fitting to the string, board; (as before observed) the strings of which are cut for the reception of steps, not for straight off bearing, but for ornament, that the brackets may be fixed and mitred to end of half risers, cover the joint and it will have a beautiful effect.

Of Geometrical Stairs.

The practice of Geometrical Stairs, which has ever been a master piece of art, is founded upon as great a principle of strength as is requisite, for the convenience of the invention, which is only to carry a certain weight or vibrating ponderosity in any case inferior to the power that sustains it. In order to prove this, measure the length of the Step, and weight of Step and Riser, adding what you propose to go in the Wall, then measure in the nature of continued quantity, similar to the following example:

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The power that equally ponderates with any weight, must have the same proportion into it, as there is between the several distances; if a Step be four feet clear and six inches in the Wall, the weight upon the end in the wall, must be as eight is to one.

Suppose we say the weight of a step, and riser, with the weight of a man, be 20 stone, this multiplied by 8 gives 20 hundred for the power to sustain a man, on the end of one step naked in the wall; but we must consider three fourth of this weight must be taken off, by the support of the under step, if we divide 20 by 4 we shall find, that five cwt. placed upon the end of every step loose in wall, will be sufficient to carry the weight of any man without either wedge or nail, provided any thing be placed to keep the steps in their proper position; but what is this trifle in comparison to the pressure of a wedge and weight of a wall, or trussing of a partition, which with interstices properly framed will be adequate to the consequence of any stairs thus constructed.

You must observe, if your steps are longer than four feet, that it will be necessary to augment the thickness of the threads, according to the following proposition.

All steps four feet clear, should not be less than $1\frac{1}{8}$ inches, and for every six inches over one eighth, more should be added; also, that geometry steps should go into the wall one eighth of their bearing.

There is a kind of geometrical stairs which wind round a column or pillar, whose bearing or certain gravity tends to one centre; these must be a little way morticed into the riser, about one inch, and tread so much as the square of the end of cove will require, to be just clear of the points.

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These sort of stairs have been frequently used to pulpits, &c. and would almost hang with the column or support at top and bottom: however, the additional bearing into the pillar are of great service.

The method of putting these steps together, if they be fair wrought on the under side, is to dove-tail risers into cover, or thread, and when put up, screw the steps to the under side of the risers all the way up, cover the head of screw neatly, (matched wood) the brackets are mitred to the riser, the nosing of step carried round; this is much the cheapest way of doing geometrical stairs: but there is great weakness in brackets hanging in the above manner, (as if they were loose) and having nothing to support them from every casualty, yet to me the method of molding the step underneath in form of a bracket, is heavy, unnatural, and very expensive, especially to winders.

Some workmen put up blocks, and screwing them well together, and after covering them with riser and thread, instead of bracket framing under side of them, so that each step appear as solid. These have not a bad effect, were it not that the expense is so very heavy.

The best and simplest method of making geometrical stairs is to put up a string, as in others, mitre the bracket to riser, and finish to the string, then lath and plaister under, finish with light bilexion moldings of plaister, with basso relievo ornament—it is necessary to observe here, the riser of two inch stuff to geometrical stairs of this sort, would greatly add to their solidity. I think it unnecessary to say any more in relation to the properties or practice of stairs, seeing the foregoing, with a little experience, must be sufficient to every ordinary capacity.

On Rails.

The manner of gluing up a twist to the scroll of a hand rail, hath ever been (by workmen) estimated a

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master-piece of the branch, and is considered by numbers as an incomparable stroke of art; in order therefore to render that part of practice as clear as possible, to the different capacities of workmen in general, I shall be as circumspect as the subject will allow, though my earnest desire is, that no man shall be at a loss for any thing in my power to communicate.

The first thing a learner should consider, is the nature of a scroll; its extent and the cause of the twist; these things once understood, the practice of it will be obvious, and render it familiar;—whoever was the first inventor of a scroll to a hand rail, I will affirm, that he was a man of enlarged ideas; and though the invention be rather inadequate to an elegant structure, and inferior to something which might be proposed for the purpose, it is notwithstanding judiciously contrived, and hath an ease in its mode of finishing, will render it an object of notice in every age.

A scroll is the periphery or circumference of a number of circles in a declining state, each less than another; to draw this therefore is nothing more than to find out the centres, from whence lines laid down to various points shall have given differences; which, when once found, will always be the centres required to form the volutes; and may be either extended or contracted in number, at the discretion of the workman, or as the size of the plan may require.

The cause of the twist, is the geometrical elevation of the hypothenuse of a right angled triangle, which must of course turn up when moved from its direct line of elevation, and will be more or less according to the height or raking of the pitched board, the pitch board being right angled triangled before mentioned, (or bracket) which is made from the height and breadth of the step, and being cut diagonally, gives the hypothenuse or rake of the rail.

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The intent and nature of a scroll, is to finish upon a level the raking of the rail; which, if not brought to its conclusion, must either be ended in a newel, or would finish on the ground, because every raking line hath a tendancy to a point of rest; therefore, in this case of a hand rail, it is willingly stopped in its course, and brought to the above judicious conclusion; so that in the simple practice of this, the learner has nothing to consider but the height he hath to rise, which is one step from the level part of the eye or centre, to the pitch, (or bracket) which will directly meet the raking of the straight rail, and must be effected with an easy decline, in the natural winding state, to the very edge of the scroll.

In the gluing up, there are three principal things to be considered: the first is the matching or appropriating of the stuff, so that the straight rail and grain of the twist shall unite, and appear as if cut out of one entire piece of timber.

The second point to be considered, is the situation of the raking part, and how much is added to it by the elevation, which bears the same proportion as a raking molding to a level one.

The third and last consideration, is the falling of the twist, from the straight rail to the eye of the scroll, which must be done in such a manner that it shall appear with ease and beauty.

Workmen who have had practice in gluing up hand rails, must have acquired a proficiency in doing it, and have no occasion to gather the least instruction that may or can be proposed by any author, to solve this particularly for practice; to those who have not, is the great object of this article. I will propose the simplest method in art and nature, in order to form a proper conception, adapted to the weakest capacity.

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A definition of gluing up Hand Rails without Lines.

Suppose a person may have a thing of this sort to do in a remote part of the kingdom, where there is not an Architect Book to be had, and the whole idea that he can form of the matter is, that upon the first step the hand rail turns round to a cap, (or eye) of a newel, and forms a scroll, to such a person I propose the following method :

After he has put up his steps, and cut out the first by his eye, to the best advantage possible, let him plan up the straight part of the hand rail, and lay it down upon the nosing of the steps. Secondly, let him also cut by his eye, a mold to the size he proposes his hand rail, observing to give the easiest turn he can to the same ; not abridging the sweeps, but bringing them down within two inches of the front of the step, then turn them down to the eye, after the best manner he is able. Thirdly, let him cut by his mould, a piece or block for the eye, thicker than the depth of the side of the rail, by so much as the thickness that the pitch board is, from the base line to the rake, two inches from the first point; which will be as much as the rail hath to fall, from the square of the twist to the eye. Fourthly, let him get out one or two pieces to make out the twist, and glue them against the side of the straight rail, and to his block; which will make the whole, observing that these pieces which make the twist, are to be cut with the pitch boards, raking line, which, when glued, or proffered to, will be answerable to the block and straight rule, and also give the rest of the twist.

When the pieces are held against the rail, the learner will find that he will want wood upon the top side of the straight rail, and the under side likewise; these must be

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glued on, or left upon the straight rail solid, before it is plained up: I say, if he glue the pieces on, and cut to the outside of the eye, as near as he can, square from the ground plan, and from the outside, square the top of the rail and guage the breadth and thickness from these two sides neatly cut by his eye, will have a pretty effect without even a line.

Though some who are adepts in the practice of hand rails would laugh at such a method, I beg leave to tell them, that I have laid down the lines to several people, and explained to them their properties; yet, not being able to understand without having recourse to some similar practices of this kind; not that I propose this scheme to men who have either seen, or have the least conception of stairs or hand rails, but to learners who have had no practice, and who may not have the least idea of stairs.

To persons who have a knowledge of business, there are other considerations: first, the raking mould, which must be made adequate to the length and breadth of the twisted part when laid upon the rake, and perpendicular to the ground plan; likewise the mould for the back, or fall of the twist, from the straight part to the level part of the eye, both outside and inside.

Many persons use no mould for the inside of the rail, but make the top or back of the rail square from the outside; but this method is not so good, for if it is done in that manner.—When you mould the rail, the fall upon the straight part will be rapid, and cause a sort of lameness.

The next method or matter to be thought of, is the squaring of the pieces before they are glued on, which may be easily done, as it is a common practice; and when they are glued on, to be finished and molded: one joint is left open to be broke for the better convenience of working the scroll.

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The way to find the raking mould for the curve or turn of the twisted part of the hand rail is, first to draw the ground plan of the rail, and thereon to represent the pieces which are to make the scroll or twisted part of the rail; upon the ground draw the breadth of the first step, then laying the pitch board against the rail, draw the breadth of rail into the raking part of the pitch board, which will give the breadth of the end.

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TABLE XLIX.

Exhibits the Value of a new first rate Shop Front, not including the labour, preparing the ope, supposing the Front 24 feet long.

Feet		At per. £.	s.	d.	£.	s.	d.
24	Of Cill 13 inches by 4 square	0	0	11	1	2	0
24	Breastsomer 13 inches by 12.....	0	2	9	3	6	0
60	Story Posts 13 inches by 6	0	1	4½	4	2	6
24	Interstices and Imposts 13 inches by 4	0	0	11	1	2	0
60	Pillasters 6½ inches by 2½	0	0	3½	0	17	6
24	Entablature including Grounds, 30 by 4½ inches	0	2	4½	2	17	0
320	Plank for Sashes, Doors, Shuts, and Pedestals 12 by 2⅛	0	0	5½	7	16	8
	Amount of Timber, at £5 per Ton	..	..		21	3	8
	Each 20s. rise per Ton, adds ½, which is £4 4s. 8d.						
	4¼ Ton of Carriage	0	5	0	1	1	3
	500 Sawing.....	0	4	0	1	0	0
	Nails and Glue	..	..		0	17	0
	Brought Over.	..	..		24	1	11

Prime cost per Ton.	Neat expense for one Shop Front.		
£.	£.	s.	d.
5	61	4	6
6	65	9	2
7	69	13	10
8	73	18	6
9	78	3	2
10	82	7	10
11	86	12	6
12	90	17	2
13	95	1	10
14	99	6	6
15	103	11	2

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Table XLIX. *continued.*

Yds.	Feet		At per. £.	s.	d.	£.	s.	d.
		Brought forward.	..	..		24	1	11
		WORKMANSHIP ONLY.						
	24	Wrought and Framed Cill	0	0	10	1	0	0
	24	Ditto Breastsomer..	0	1	6	1	16	0
	60	Rabbeted and Framed Story Posts..	0	1	6	4	10	0
	24	Interstice and Impost Moldings ...	0	1	4	1	10	0
	60	Very neat fancy gothic Pilasters including Caps and Bases	0	3	0	9	0	0
	24	Entablature with gothic Compartments and large molded Capping	0	6	0	7	4	0
24	0	Bead and Flush Wainscot in Shuts and Pedestal	0	4	0	4	16	0
15	0	Ditto in Doors	0	4	0	3	0	0
	87	Sashes including Casings, Slips, Stops, and hanging Shuts	0	0	7	2	10	9
	14	Deep molded Base	0	0	5	0	5	10
		Two Fan Sashes, and Spandrilles round, (if not metal)	..	..		1	10	0
		Neat expense at £5 per Ton ...	..	..		61	4	6

Note.—If Bow Entablature Sashes and Shuts, add one half to the sum stated above.

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TABLE L.

Shop Front 20 feet long, with framed Pedestal to receive Shuts to run in.

Feet		At per. £.	s.	d.	£.	s.	d.
20	Cill 12 by 3¼ square	0	0	9½	0	15	10
20	Breastsomer 12 by 11	0	2	4	2	6	8
52	Story Posts 12 by 5	0	1	1	2	16	4
20	Interstices and Imposts 12 by 3½....	0	0	9	0	15	0
50	Pilasters 6 by 2¼....	0	0	3	0	12	6
20¼	Entablature 30 by 3	0	1	7	1	12	1
240	Plank for Doors, Shuts, Sashes, and Pedestal, average 12 by 2 inches	0	0	5	5	10	0
	Amount of Timber at £5 per Ton....	..	..		14	8	5
	Each 20s. rise per Ton adds ⅕, which is £2 17s. 8d.						
	3 Ton of Carriage..	0	5	0	0	15	0
	400 Sawing	0	4	0	0	16	0
	Nails, Glue, &c. ...	..	..		0	16	0
					16	15	5
	WORKMANSHIP ONLY.						
20	Wrought and Framed Cill	0	0	8	0	13	4
20	Ditto Breastsomer..	0	1	4	1	6	8
	Carried over.	..	..		18	15	5

Prime cost per Ton.	Neat expense for one Shop Front.		
£.	£.	s.	d.
5	41	4	9
6	44	2	5
7	47	0	1
8	49	17	9
9	52	15	5
10	55	13	1
11	58	10	9
12	61	8	5
13	64	6	1
14	67	3	9
15	70	1	5

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Table L. *continued.*

Yds.	Feet		At per. £.	s.	d.	£.	s.	d.
		Brought forward.	..	..		18	15	5
	52	Rabbeted and Framed Story Posts ..	0	1	4	2	1	4
	20	Interstices and Imposts	0	1	2	1	3	4
	50	Neat gothic Pilasters fluted or counter-fluted, including Caps and Bases...	0	2	0	5	0	0
	20	Entablature (neat)..	0	4	9	4	15	0
21	0	Framed Shuts and Pedestal.....	0	4	0	4	4	0
11	0	Ditto Doors	0	4	0	2	4	0
	60	Sashes, Casings, Slips, and Stops included	0	0	6½	1	12	6
		2 Fan Sashes over Doors.....	0	12	6	1	5	0
	10	Base to front.....	0	0	5	0	4	2
Neat expense at £5 per Ton ..			..	..		41	4	9

Note.—If Bow Entablature Sashes and Shuts, add one half to the sum above stated.

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TABLE LI.

Shop Front, 20 feet long.

Feet		At per. £.	s.	d.	£.	s.	d.
20	Cill, 12 by 3	0	0	7½	0	12	6
20	Breastsomer, 12 by 9¼	0	2	0	2	0	0
50	Story Posts, 10 by 4¼	0	0	9	1	17	1
20	Interstice and Imposts, 12 by 3.....	0	0	7½	0	12	6
48	Pilasters 5 by 2½..	0	0	2½	0	10	0
20	Entablature, 24 by 2½	0	1	0	1	0	0
210	Plank for Sashes, Doors, Shuts, and Pedestal, 12 by 1¼	0	0	4½	3	18	9
	Amount of Timber at £5 per Ton....	..	..		10	10	10
	Each 20s. rise per Ton adds $\frac{1}{5}$, which is 2l. 2s. 2d.						
	2¼ Ton Carriage ...	0	5	0	0	11	3
	300 Sawing	0	4	0	0	12	0
	Nails, Glue, &c. ...	..	..		0	12	0
	Carried over.	..	..		12	6	1

Prime cost per Ton.	Neat expense of one shop front.		
£.	£.	s.	d.
5	29	14	7
6	31	16	9
7	33	18	11
8	36	1	1
9	38	3	3
10	40	5	5
11	42	7	7
12	44	9	9
13	46	11	11
14	48	14	1
15	50	16	3

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Table LI. *continued.*

Yds.	Feet		At per. £.	s.	d.	£.	s.	d.
		Brought forward.	..	..		12	6	1
		WORKMANSHIP ONLY.						
	20	Wrought and part framed Cill,.....	0	0	6	0	10	0
	20	Ditto Breastsomer..	0	1	3	1	5	0
	50	Ditto and Rabbeted Story Posts.....	0	1	2	2	18	4
	20	Interstice, Imposts, and Moldings....	0	0	9	0	15	0
	48	Neat plain Pilasters, including Caps and Bases.....	0	0	8	1	12	0
	20	Entablature to correspond with reeded Architrave to ditto	0	2	0	2	0	0
	60	Sashes and Slips, &c.	0	0	6	1	10	0
20	0	Bead & flush Shuts, and Pedestal....	0	4	0	4	0	0
10	0	Bead and flush Doors	0	4	0	2	0	0
	10	Base to front.....	0	0	5	0	4	2
2 Sashes and appendages over doors			0	7	0	0	14	6
Neat expense at £5 per Ton.			..	..		29	14	7

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TABLE LII.

Very plain Shop front, 18 feet long, and from 8 to 9 feet high.

Feet		At per. £.	s.	d.	£.	s.	d.
18	Cill 9 by 3	0	0	6	0	9	0
18	Breastsomer 11 by 10	0	1	11	1	14	6
45	Story Posts 9 by 3½	0	0	6½	1	4	4
18	Interstices and Imposts 9 by 3.....	0	0	6	0	9	0
44	Pilasters 4½ by 2....	0	0	2	0	7	4
20	Entablature 18 by 2	0	0	7½	0	12	6
97	Plank for Sashes, Shuts and Doors 12 by 1¼	0	0	4½	1	16	4
	Amount of Timber at £5 per Ton	..		..	6	13	0
	Each 20s. rise per Ton, adds ⅛ which is £1 6s. 7d.						
	1¼ Ton of Carriage	0	5	0	0	7	6
	200 Sawing.....	0	4	0	0	8	0
	Nails and Glue, &c.	..		..	0	8	6
	Carried over.	..		..	7	17	0

Prime cost per Ton.	Neat expense for one Shop Front.		
£.	£.	s.	d.
5	19	7	3
6	20	13	10
7	22	0	5
8	23	7	0
9	24	13	7
10	26	0	2
11	27	6	9
12	28	13	4
13	29	19	11
14	31	6	6
15	32	13	1

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Table LII. *continued.*

Yds.	Feet		At per. £.	s.	d.	£.	s.	d.
		Brought forward.	..	..		7	17	0
		WORKMANSHIP ONLY.						
	18	Cill mortised and set.....	0	0	6	0	9	0
	18	Wrought and Framed Breastsomer....	0	1	0	0	18	0
	45	Ditto and part rabbeted Story Posts	0	0	10	1	17	6
	18	Interstices, Imposts, and Moldings....	0	0	8	0	12	0
	44	Plain Pilasters, including Caps and Bases.....	0	0	6½	1	3	10
	18	Plain Entablature..	0	1	6	1	7	0
9	0	Bead and Butt Shuts	0	3	9	1	13	9
8	0	Ditto Doors	0	3	9	1	10	0
	50	Sashes, Slips, and Casings included....	0	0	6	1	5	0
		2 Sashes over Doors	..	..		0	10	10
	10	Base to Front.....	0	0	4	0	3	4
Neat expense at £5 per Ton...			..	..		19	7	3

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TABLE LIII.

To fit up a Rack and Manger in a permanent stile for Coach Horses, to a large extent.—Suppose a Stable 60 *feet long, to be fitted up for* 10 *Coach Horses, with Stalls, &c. complete.*

Feet		At per. £.	s.	d.	£.	s.	d.
558	Posts and Rails Scantling, 5½ by 4½	0	0	8½	19	15	3
616	Plank collected, 12 by 1⅛	0	0	4½	11	11	0
60	Grounds to Wall, 5 by 2⅛	0	0	3½	0	17	6
114	Plank for Rungs, 12 by 2½	0	0	10	4	15	0
240	Oak in Casing, 5 by 2½	0	0	7	7	0	0
62	Ditto Manger Rod, 5 by 3	0	0	9½	2	9	1
150	Superficial of Oak Plank in Manger, 2 inches thick	0	1	2	8	15	0
60	Oak for Cornice, 9 by 4	0	1	9	5	5	0
	Total Amount of Timber	..	..		59	17	10
	6 Ton of Carriage	0	5	0	1	10	0
	600 Sawing soft wood	0	4	0	1	4	0
	400 Sawing hard do.	0	6	0	1	4	0
	Irons, Nails, Holdfasts, &c.	..	..		3	10	0
	Carried over.	..	..		67	5	10

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Table LIII. *continued.*

Feet		At per. £.	s.	d.	£	s.	d.
	Brought forward.	..	..		67	5	10
	WORKMANSHIP ONLY.						
558	Wrought and framed Scantling in Posts and Rails.....	0	0	9	20	18	6
480	Rabbeted Wainscot in reduced breadths	0	0	4	8	0	0
136	Ditto in back Staces	0	0	2	1	2	8
60	Champhered grounds	0	0	4	1	0	0
240	Oak Casings, rounded and mitred....	0	0	9	9	0	0
62	Framed and rounded Manger Rod.....	0	1	0	3	2	0
150	Wrought Plank in Manger	0	0	10	6	5	0
60	Oak Cornice and Grounds.....	0	2	0	6	0	0
	14 Dozen of Ash Rungs prepared, turned, and keyed.....	0	5	0	3	10	0
	Neat expense, rating Oak at 14*l.* and Deal at 8*l.* per Ton.....	..	..		126	4	0

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TABLE LIV.

Green or Hot House, suppose 50 *feet long and* 13 *wide.*

Feet		At per. £	s.	d.	£.	s.	d.
72	Cill to front, and ends 14 inch by 3¼ inch.	0	0	10	3	0	0
52	Gutter Beam, front, 11 by 6.....	0	1	3	3	5	0
30	Return to ditto under Spandrill, 11 by 4	0	0	9½	1	3	9
132	Pully-pieces 5 by 1½	0	0	1½	0	16	6
210	Sleepers to Roof, 8 by 4½	0	0	7½	6	11	3
52	Bevel grounds to do. 8 by 4½.....	0	0	7½	1	12	6
40	Door Frames, 5 by 4		0	4½	0	15	0
14	Quoin Post, 6 by 6		0	7½	0	8	9
344	Casing Sash Frames, 5 by 1.....	0	0	1	1	8	8
136	Ditto to Cill and Top, 9 by 1	0	0	2	1	2	8
322	Plank for Sashes and Doors, 12 by 2½...	0	0	6	8	1	0
	Amount of Timber at £5 per Ton....	..		..	28	4	1
	Each 20*s.* rise per Ton adds ¼, which is 5*l.* 12*s.* 10*d.*						
	5½ Ton Carriage...	0	5	0	1	7	6
	900 Sawing.....	0	4	0	1	16	0
	Nails, Glue, White Lead, &c.....	..		..	2	15	5
	Carried over.	..		..	34	3	0

Prime cost per Ton.	Neat expense for one Green or Hot House.		
£.	£.	s.	d.
5	96	13	0
6	102	5	10
7	107	18	8
8	114	11	6
9	120	4	4
10	125	17	2
11	131	10	0
12	137	2	10
13	142	15	8
14	148	8	6
15	154	1	4

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Table LIV. *continued.*

Feet		At per. £.	s.	d.	£.	s.	d.
	Brought forward.	..	..		34	3	0
	WORKMANSHIP ONLY.						
72	Wrought and framed Cill	0	0	9	2	14	0
52	Ditto and Gulleted Gutter Beam, romboides form.....	0	1	8	4	6	8
30	Framed Return....	0	1	0	1	10	0
80	Cornice Molding..	0	0	6	2	0	0
132	Pully-pieces Rabbeted for weights....	0	0	6	3	6	0
210	Beams to Roof, double molded and quadruped rabbeted	0	1	6	13	5	0
52	Grounds at Top....	0	0	6	1	6	0
38	Rabbeted door frames	0	0	6	0	19	0
14	Quoin Posts	0	0	6	0	7	0
344	Casing Frames	0	0	2	2	17	4
136	Ditto Cill and Head	0	0	3	1	14	0
184	Sashes front & ends, including Slips and Stops.....	0	0	7	5	7	4
856	Ditto Roof and Spandrill end, including putting Irons and Castors on do. hanging,&c.	0	0	6	21	2	8
42	Superficial in 2 Sash Doors, including fitting, hanging, putting on Locks, &c.....	0	0	10	1	15	0
	Neat expense at £5 per T.	..	..		96	13	0

Note.—Divide by 50 and you have the value of each foot long, suppose timber rated at 8*l.* per Ton.—50)114(2*l.* 13*s.*

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TABLE LV.

Green or Hot-House, done in the very best manner, suppose 80 feet long, to be divided into Sashes about 4 feet wide, each light in the clear.

Feet		At per. £.	s.	d.	£.	s.	d.
200	Scantling in Cills 14 by 3½	0	0	10	8	6	8
210	Ditto Gutter Beam, including Scarfings 11 by 6.....	0	1	3	13	2	6
250	Door & Sash Frames 4½ by 2½	0	0	3	3	2	6
590	Sleepers to Roof, including Casings 8 by 4	0	0	7½	18	8	9
84	Ridge including Scarfings 10 by 1½	0	0	3½	1	4	6
20	Quoin Post 6 by 6..	0	0	8	0	13	4
485	Casings to Frames 3½ by 1	0	0	1	2	0	5
500	Ditto to Cill and Gutter Beam 7 by 1 ..	0	0	2	4	3	4
596	Plank for Sashes and Doors 12 by 2½ ...	0	0	6	17	8	0
	Amount of Timber at £5 per Ton.....	..		..	68	10	0
	Each 20s. rise per Ton, adds ⅓, which is 13l. 14s.						
	13½ Ton of Carriage	0	5	0	3	7	6
	1800 Sawing	0	4	0	3	12	0
	Nails, Glue, White Lead, &c.....	..		..	5	2	6
	Carried over.	..		..	80	12	0

Prime cost per Ton.	Neat expense for one Green or Hot-House.		
£.	£.	s.	d.
5	242	17	0
6	256	11	0
7	270	5	0
8	283	19	0
9	297	13	0
10	311	7	0
11	325	1	0
12	339	15	0
13	352	9	0
14	366	3	0
15	379	17	0

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Table LV. *continued.*

Feet		At per. £	s.	d.	£.	s.	d.
	Brought forward.	..	..		80	12	0
	WORKMANSHIP ONLY.						
200	Wrought and Framed Cill	0	0	9	7	10	0
210	Ditto and Gulletted Gutter Beam,(romboides form) including Scarfings....	0	2	0	21	0	0
210	Cornice and Facia on ditto	0	0	8	7	0	0
250	Sashes and Frames..	0	0	4	4	3	4
590	Sleepers double rabbeted each side, molded in peculiar manner, including Casings.....	0	1	6	44	5	0
84	Ridge and Saddle Casings.....	0	0	7	2	9	0
20	Quoin Posts	0	0	6	0	10	0
485	Casing Sash Frames..	0	0	2	4	1	0
500	Ditto Cill and Top..	0	0	3	6	5	0
440	Upright Sashes	0	0	5	9	3	4
3220	Ditto Geen House Sashes	0	0	4	53	13	4
	No. 3 Framed Doors including fitting, hanging, putting on Locks, &c...	0	15	0	2	5	0
	Neat expense at £5 per T.	..	..		242	17	0

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TABLE LVI.

The Value of Palisadoes 27 feet long, done in best manner.

Feet		At per. £.	s.	d.	£.	s.	d.
24	Posts 5 inches square	0	0	5	0	10	0
54	Rails ditto	0	0	5	1	2	6
220	Upright Railing $2\frac{1}{4}$ inch square	0	0	$1\frac{1}{2}$	1	7	6
	Amount of Timber at £5 per Ton	..		..	3	0	0
	Each 20s. rise per Ton, adds $\frac{1}{5}$, which is 12s.						
	Carriage.....	..		..	0	3	0
	Sawing	..		..	0	4	9
	Paint	..		..	0	3	0
					3	10	9
	WORKMANSHIP ONLY.						
78	Wrought and Framed Posts and Rails, morticed through for bars $3\frac{1}{2}$ inches a part	0	0	8	2	12	0
220	Bars neatly executed and Tops molded..	0	0	3	2	15	0
	Neat expense at £5 per T.	..		..	8	17	9

Prime cost per Ton.	Neat expense.		
£.	£.	s.	d.
5	8	17	9
6	9	9	9
7	10	1	9
8	10	13	9
9	11	5	9
10	11	17	9
11	12	9	9
12	13	1	9
13	13	13	9
14	14	5	9
15	14	17	9

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TABLE LVII.

Palisadoes 27 feet long, done in plain manner.

Feet		At per. £.	s.	d.	£.	s.	d.
24	Posts 4 inches square	0	0	4	0	8	0
54	Rails ditto	0	0	4	0	18	0
228	Bars 2 inches square	0	0	1	0	19	0
	Amount of Timber at £5 per Ton	..	..		2	5	0
	Each 20s. rise per Ton adds $\frac{1}{5}$, which is 9s.						
	½ Ton of Carriage..	..	..		0	2	6
	Sawing.....	..	..		0	4	4
	Paint	..	..		0	2	6
					2	14	4
	WORKMANSHIP ONLY.						
78	Wrought and Framed Posts and Rails, morticed through for Bars	0	0	7	2	5	6
228	Wrought Bars and Tops neatly molded	0	0	2	1	18	0
	Neat expense at £5 per T.	..	..		6	17	10

Prime cost per Ton.	Neat expense.		
£.	£.	s.	d.
5	6	17	10
6	7	6	10
7	7	15	10
8	8	4	10
9	8	13	10
10	9	2	10
11	9	11	10
12	10	0	10
13	10	9	10
14	10	18	10
15	11	7	10

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TABLE LVIII.

Sheweth the value of Fillet Gutters, furnishing Materials, rating Timber at £8 per Ton.

PER FOOT LINEAL.													
Bottom.	Fillet.	Bottom.	Fillet.	Bottom.	Fillet.	Bottom.	Fillet.	Bottom.	Fillet.	Bottom.	Fillet.	Bottom.	Fillet.
10 by 1	3 by 1½	11 by 1½	3½ by 2	12 by 1¾	4 by 2½	13 by 2	4½ by 3	14 by 2¼	5 by 3½	15 by 2½	5½ by 4	16 by 2¾	6 by 4½
from	to	from	to	from	to	from	to	from	to	from	to	from	to
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1 0	1 2	1 2	1 5	1 5	1 9	1 9	2 2	2 2	2 8	2 8	3 3	3 3	3 9

TABLE LIX.

Sheweth the value of Rain Water Trunks, securely made and Pitched, furnishing Materials. Timber rated at £8 per Ton.

Inches square.	Inch Plank.	Inches square.	Inch Plank.	Inches square.	Inch Plank.	Inches square.	Inch Plank.	Inches square.	Inch Plank.	Inches square.	Inch Plank.	
4	¾	4½	¾	5	1	5½	1¼	6	1½	6½	1¾	N. B. If plowed and tongued, to be charged 8d. per foot extra.
from	to	from	to	from	to	from	to	from	to	from	to	
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	
1 0	1 3	1 3	1 6	1 6	1 9	1 9	2 0	2 0	2 4	2 4	2 8	
Pitch and Workmanship only.												
d.	d.	d.	d.	d.	d.	d.	s. d.	s. d.	s. d.	s. d.	s. d.	
5	6½	6½	8	8	10	10	1 0	1 0	1 2	1 2	1 4	

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TABLE LX.

Sheweth the value of Scantlings, commencing in the Merchant's Stores, with the gradual increase thereon, in proportion to the Workmanship for the intended purpose, rating Timber at £8 per Ton, or 4s. per cube foot.

Inches.	S.		W.		V.		F.		V. F.	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
2 by 2	0	1h	0	1½	0	3	0	1	0	4
3	0	2	0	2	0	4	0	1	0	5
4	0	2h	0	2h	0	5	0	1	0	6
5	0	3	0	3	0	6	0	2	0	8
6	0	4	0	3h	0	7h	0	2	0	9h
7	0	5	0	4	0	9	0	2	0	11
8	0	5h	0	4h	0	10	0	3	1	1
9	0	6	0	5	0	11	0	3	1	2
10	0	6h	0	5h	1	0	0	4	1	4
11	0	7h	0	6h	1	2	0	4	1	6
12	0	8	0	7	1	3	0	5	1	8
3 by 3	0	3	0	3	0	6	0	1h	0	7h
4	0	4	0	4	0	8	0	1h	0	9h
5	0	5	0	5	0	10	0	2	1	0
6	0	6	0	5h	0	11h	0	2h	1	2
7	0	7	0	6	1	1	0	3	1	4
8	0	8	0	6h	1	2h	0	3h	1	6
9	0	9	0	7	1	4	0	4	1	8
10	0	10	0	7h	1	5h	0	4h	1	10
11	0	11	0	8	1	7	0	5	2	0
12	1	0	0	9	1	9	0	5	2	2
4 by 4	0	5	0	5	0	10	0	1	0	11
5	0	6h	0	6	1	1h	0	1h	1	3
6	0	8	0	7	1	3	0	2	1	5

EXPLANATION OF ABBREVIATIONS.

S. the valuation of the Stuff—W. the Workmanship—V. value not framed—F. add if framed—V. F. framed complete.

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Table LX. *continued.*

Inches.	S.		W.		V.		F.		V. F.	
	s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
4 by 7	0	9h	0	8	1	5h	0	2h	1	8
8	0	10h	0	9	1	7h	0	3h	1	11
9	1	0	0	10	1	10	0	4	2	2
10	1	1h	0	11h	2	0h	0	4h	2	5
11	1	2h	1	0h	2	3	0	5	2	8
12	1	4	1	2	2	6	0	6	3	0
5 by 5	0	8h	0	7h	1	4	0	1h	1	5h
6	0	10	0	9	1	7	0	2	1	9
7	0	11h	0	10h	1	10	0	2h	2	0h
8	1	1h	1	0h	2	2	0	3	2	5
9	1	3	1	2	2	5	0	3h	2	8h
10	1	4h	1	3h	2	8	0	4	3	0
11	1	6h	1	5h	3	0	0	4h	3	4h
12	1	8	1	7	3	3	0	5	3	8
6 by 6	1	0	0	8	1	8	0	2	1	10
7	1	2	0	10	2	0	0	2h	2	2h
8	1	4	1	0	2	4	0	3	2	7
9	1	6	1	2	2	8	0	3h	2	11h
10	1	8	1	4	3	0	0	4	3	4
11	1	10	1	6	3	4	0	4h	3	8h
12	2	0	1	8	3	8	0	5	4	1
7 by 7	1	4	0	10	2	2	0	3	2	5
8	1	6h	1	0h	2	7	0	3h	2	10h
9	1	9	1	2	2	11	0	4	3	3
10	1	11h	1	4h	3	4	0	4h	3	8h
11	2	2	1	6	3	8	0	5	4	1
12	2	4h	1	7h	4	0	0	5h	4	5h
8 by 8	1	10	0	11	2	9	0	3	3	0
9	2	0	1	2	3	2	0	4	3	6
10	2	3	1	5	3	8	0	4	4	0
11	2	5h	1	7h	4	1	0	5	4	6
12	2	8	1	10	4	6	0	6	5	0
9 by 9	2	3	1	2	3	5	0	4	3	9
10	2	6	1	5	3	11	0	5	4	4
11	2	9	1	8	4	5	0	5h	4	10h
12	3	0	2	0	5	0	0	6	5	6

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Table LX. *continued.*

Inches.	S.		W.		V.		F.		V
	s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*
10 by 10	2	10	1	4	4	2	0	5	4
11	3	1	1	8	4	9	0	5h	5
12	3	4	2	0	5	4	0	6	5
11 by 11	3	4	1	8	5	0	0	5	5
12	3	8	2	0	5	8	0	6	6
12 by 12	4	0	2	0	6	0	0	6	6

Note.—The general rule for finding the net value of quantities is thus:—On the table I state the timber after being sawed, and ready for the Carpenter to work, (the timber case is laid down at 8*l.* per Ton, which is 4*s.* per cube foot,) t 6 by 12 is 72 inches; again, if 144 square inches give 4*s.* w 72 inches give?—In this case the answer will be 2*s.*

TABLE LXI.

Sheweth the value of Architraves.

SINGLE-FACED.			DOUBLE-FACED.		
Inches wide.	Inches wide.	Inches wide.	Inches wide.	Inches wide.	In
4 to 4½	4½ to 5	5 to 6	5 to 6	6 to 7	7
d. *d.*	*d.* *d.*	*d.* *d.*	*s.* *d.* *s.* *d.*	*s.* *d.* *s.* *d.*	*s.* *d.*
7 to 8	8 to 9	9 to 10	1 0 to 1 2	1 2 to 1 4	1 4
WORKMANSHIP ONLY.					
d. *d.*	*d.* *d.*	*d.* *d.*	*d.* *d.*	*d.* *d.*	*d.*
4 to 5	5 to 5½	5 to 6	6 to 7	7 to 8	8 t

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TABLE LXII.

Shewing the value of Pillasters.

Width.	Width.	Width.	Width.	Width.
INCHES. from 4 to 5	INCHES. from 5 to 6	INCHES. from 6 to 7	INCHES. from 7 to 8	INCHES. from 8 to 9
d. *d.*	*d.* *d.*	*d.* *s.* *d.*	*s.* *d.* *s.* *d.*	*s.* *d.* *s.* *d.*
8 9	9 10	10 1 0	1 0 1 2	1 2 1 4
WORKMANSHIP ONLY.				
d. *d.*	*d.* *d.*	*d.* *d.*	*d.* *d.*	*d.* *d.*
4 5	5 6	6 7	7 8	8 9

RULES FOR MEASUREMENT.

To find the Length of a Rafter.

Two methods proposed, which must appear the most simple and plain ever offered, to find the length of a rafter:—Having the base line given, and pitch in the modern stile, take the width of the base, from point to point of the rafters; that is, adding the breadth of the wall plates or planks, to the clear of the house, divide the same into eight parts; give five of these parts to the length of your rafter.

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Again, take the said span, which multiply by six, and cast off one figure to the right, leaves so many feet, and so many tenths of a foot to the figure cast off. For example:—

Suppose the clear span to be 35 feet.
Breadth of two wall plates .. 1 do.

8) 36 (4feet.
32

4
12

8) 48 (6inches.

4 6
5

22 6

Again, 36 by 6, is 216, in this case the rafter will be $21\frac{6}{10}$ feet long.

Rule to measure Roofing.

The principles of this sort are measured by the square, whether true pitch, or the ends gable or not, may be reduced to the following, viz:—

Multiply the length of the roof by the length of the rafter, and twice that product will be the contents in feet; then cut off the two right-hand figures, and the work is done.—For example:

If the rafters be what is called true pitch, viz. suppose the length of the roof to be 66 feet long, the breadth 36 feet, the length of the rafters will be 22 feet long; which, being multiplied into 66, the length, the product will be 1452 feet; this again being multiplied by 2, gives 2904 feet, the contents, which cut off as before mentioned, and you will find 29 square: 4 feet to be in a roof to the above dimentions.

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How to measure Floors.

The length and breadth are to be taken from the outside of the plates; if none be made use of, as in some buildings, they are then to be omitted, and the joists laid in the naked wall; in this case you must allow nine inches, or else measure the full extent of the joists, and from thence compute the squares contained by the following example:—

Suppose the length of a room to be 36 feet, and the breadth 20 feet, the contents will be 7 squares 20 feet. The same of ceiling joists, partitions, &c. allowing the deduction of doors, windows, &c. if agreed upon, otherwise not.

How to measure Stairs.

Stairs are measured and valued by the foot superficial, the dimentions taken by a line girted down all the exposed face from top to bottom for the length; this, multiplied by the length of the step, is the only method to calculate on; and the moldings lineal, also the sleepers, trimmers, and other large scantling strings superficial.

How to value Common Stairs.

Hand-rails to Stairs sometimes are returned with the Stairs, including the ballustrades, volute, ramps, twists, and at other times, these are all charged separate for extra, and the hand-rail measured lineal the whole length, including ballusters, &c.

I propose the only method as a certain guide to find the real value of Stairs, from the most grand design to the plainest.

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First—Measure all your principal timbers lineal, namely, eill, trimmers, and sleepers, returning their scantlings, also to allow for your bracketting; laying on a fair value for setting these together, with the price of scantling.

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Secondly.—Measure with a tape line the whole girth of step and riser, taking care to be nice round the nosings; these may be valued afterwards, either lineal, as workmanship, together with the return moldings, or charged in the superficial as molded wainscot, observing the thickness. In like manner measure your strings superficial; and remark whether open or plain; number the cartouces, and charge all circular work separate, in manner as executed. If the Stairs are wrought fair on the soffit and inside of riser, they are to be measured separately, and returned as if plain or molded; also, any extra scantling to be added to the labour. These sort of Stairs are termed Geometrical. Great care must be taken to remark the ground they stand on to be square, octagon, circular, or oval; these remarks, and the value thereon, can only be adjusted by skilful, honest men, who will not wrong their judgment by telling their employer, 'Sir, I am at present putting fifteen or twenty shillings a-day in your pocket'; when, at the same time, I often find the contractor a loser on works of this sort, which is often their own fault, for want of some such rule to apply to for the valuation, prior to their contracting, as I have endeavoured to lay down for their guidance.

The next thing I have to remark, is the hand-rails; these should be measured from the eye of the volute to the landing adjoining the gallery rail, and valued all as if straight, representing the manner done in; also the balusters attached to the volute or newel posts, charged separate by the piece, likewise the ramps and twists, describing the clear ope between the rails; the value of a ramp is double the straight, and twist treble, both in materials and workmanship: and all gallery rails to be measured separate.

After observing all the foregoing rules, a judicious contractor may with safety furnish a gentleman, with confidence, the sum he will require, by seeing the plan he is to work on, observing the heights and other remarks.

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The joists and flooring of half spaces and lobbies, I should wish were always measured separate as joists and flooring.

The best method, in my opinion, for measuring joiners', or carpenters' work is, to keep part of your book distinct for each kind of work in each floor, by which means your book forms, without any other help, an abstract by itself.

Suppose the following to be laid down as if ruled in your book.

No.	Sash Frames.	Sashes.	Inside Casings.	Slips & Stops.	
	F. I. F. I.	F. I.	F. I.	F. I.	
5	8 0 by 4 0	160 0	108 0	210 0	N. E. Parlour.
5	8 0 — 4 0	160 0	108 0	210 0	S. E. Parlour.
3	8 0 — 4 0	96 0	64 2	190 0	S. Study.
2	8 0 — 4 0	64 0	43 0	100 3	Breakfast Parlour.
15	Total.	480 0	323 2	710 3	

Times.	Framed Fronts	Shuts.	Times.	Back Leaves.		Times.	Jamb Linings.	
	F. I. F. I.	Y. F.		F. I. F. I.	Y. F.		F. I. F. I.	Y. F.
10	8 0 by 1 4	17 7	5	8 0 by 1 6	10 0	10	8 0 by 1 4	17 7
5	8 0 — 1 6	10 0						
	Total.	27 7						

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TABLE LXIII.

SASH FRAMES are either measurable or valued at per Piece, rating 10 feet 2 inch Boards at 4*s.* per Piece, or Timber at 8*l.* per Ton, if measured from out to out all round:

		£.	s.	d.
First Frame, 6 by 3 feet clear, prepared for double-hanging.				
Measures nett 18 feet Tennons and Joggles, 2 do.	20 feet of pully-pieces and rabbeting cill, including casings, at 9*d.* per	0	15	0
	For each 6*d.* rise or fall per board, add or deduct	0	0	8
Second Frame, 8 by 4 feet clear.				
Measures nett.....24 feet Tennons and Joggles 2 do.	26 feet of pully-pieces and rabbeted cill, including casings, at 9*d.* per.....	0	19	6
	For each 6*d.* rise or fall per board, add or deduct	0	0	10
Third Frame, 9 by 4½ feet clear.				
Measures nett.....27 feet. Tennons and Joggles 2 do.	29 feet of pully-pieces and rabbeting cill, including casings, at 9*d.* per.....	1	1	9
	For each 6*d.* rise or fall per board, add or deduct	0	1	9

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Table LXIII. *continued.*

SASH FRAMES made for single-hanging, and not finished in first stile, 8*d.* per foot run, and to add as follows.—

First—A Frame, 4 by 3 feet clear.				
Measures nett.....14 feet.	16 feet of frame, including casings and cill, at 8*d.* per....	0	10	8
Tennons and Joggles 2 do.	For each 6*d.* rise or fall per board, add or deduct	0	0	6
Second—A Frame 4 by 4 feet clear.				
Measures nett.....16 feet.	18 feet of frame, including casing and cill, at 8*d.* per.....	0	12	0
Tennons and Joggles 2 do.	For each 6*d.* rise or fall per board, add or deduct	0	0	7
Third—A Frame 5 by 4 feet clear.				
Measures nett.....18 feet.	20 feet of frame, including casings and cill, at 8*d.* per	0	13	4
Tennons and Joggles 2 do.	For each 6*d.* rise or fall per board, add or deduct	0	0	8
Fourth—A Frame 6 by 4 feet clear.				
Measures nett.....20 feet.	22 feet of frame, including outside casing and cill at 8*d.* per	0	14	8
Tennons and Joggles 2 do.	For each 6*d.* rise or fall per board, add or deduct	0	0	9

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TABLE LXIV.

CARPENTER'S WORK.

(WORKMANSHIP ONLY.)

The Gentleman furnishing the Contractor with every kind of accommodation to enable him to perform the work, (working tools excepted) and charging his work according to the rate he pays his men per day.—*The following at per Square.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0
Framed Roofing, according to the span and elevation ..	1	2	0	1	3	6	1	5	0	1	7	6	1	9	0	1	10	6	1	12	0	1	13	6
Common Roofing, with 2 purloins each side.....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6
Ditto with collar braces....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9
If the collars are halved on..	0	8	6	0	8	8	0	9	0	0	9	4	0	9	8	0	10	0	0	10	4	0	10	8
Ceiling Joists, or plain Partitions.....	0	3	4	0	3	6	0	3	8	0	3	10	0	4	0	0	4	2	0	4	4	0	4	6
If halved on	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	0	5	3
Truss Partitions	0	13	0	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0
Joist and plank flooring in reduced breadths, dowelled agreeable to the scantling, the Contractor not flat cutting the plank.....	1	4	0	1	6	0	1	8	0	1	10	0	1	12	0	1	14	0	1	16	0	1	18	0

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Table LXIV. *continued.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0	
Joists and plank flooring in reduced breadths, not dowelled.....	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4	0	*per square.*
Straight joint do. in breadths not reduced, 1¼ inch thick	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	
Ditto down to one inch thick	0	12	0	0	12	9	0	13	6	0	14	3	0	15	0	0	15	9	0	16	6	0	17	3	
Broken joint, do. 1¼ inch thick.....	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6	0	14	0	0	14	6	
Ditto down to inch thick....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	0	0	13	0	0	13	6	
Plain do. in hay lofts, and the like.....	0	6	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9	
Counter-flooring	0	4	0	0	4	2	0	4	4	0	4	6	0	4	8	0	4	10	0	5	0	0	5	2	
Bridging joists, including keys	0	0	2	0	0	2h	0	0	3	0	0	3h	0	0	4	0	0	4h	0	0	5	0	0	5	*per foot.*
Trimmers to stair cases and other places where required.....	0	0	5	0	0	6	0	0	7	0	0	8	0	0	9	0	0	10	0	0	11	0	1	0	
Trimmers to hearths, per piece	0	2	8	0	3	0	0	3	4	0	3	8	0	4	0	0	4	4	0	4	8	0	5	0	

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TABLE LXIV.

CARPENTER'S WORK.

(WORKMANSHIP ONLY.)

The Gentleman furnishing the Contractor with every kind of accommodation to enable him to perform the work, (working tools excepted) and charging his work according to the rate he pays his men per day.—*The following at per Square.*

	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
RATES PER DIEM.....	0	3	6	0	3	9½	0	4	0	0	4	4	0	4	8	0	5	0	0	5	5	0	6	0
Framed Roofing, according to the span and elevation ..	1	2	0	1	3	6	1	5	0	1	7	6	1	9	0	1	10	6	1	12	0	1	13	6
Common Roofing, with 2 purloins each side.....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6
Ditto with collar braces....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9
If the collars are halved on..	0	8	6	0	8	8	0	9	0	0	9	4	0	9	8	0	10	0	0	10	4	0	10	8
Ceiling Joists, or plain Partitions.....	0	3	4	0	3	6	0	3	8	0	3	10	0	4	0	0	4	2	0	4	4	0	4	6
If halved on	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	0	5	3
Truss Partitions	0	13	0	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0
Joist and plank flooring in reduced breadths, dowelled agreeable to the scantling, the Contractor not flat cutting the plank.....	1	4	0	1	6	0	1	8	0	1	10	0	1	12	0	1	14	0	1	16	0	1	18	0

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Table LXIV. *continued.*

RATES PER DIEM.....	l. s. d. 0 3 6	l. s. d. 0 3 9	l. s. d. 0 4 0	l. s. d. 0 4 4	l. s. d. 0 4 8	l. s. d. 0 5 0	l. s. d. 0 5 3	l. s. d. 0 6 0	l. s. d. 0 6 0
Joists and plank flooring in reduced breadths, not dowelled.....	0 17 0	0 18 0	0 19 0	1 0 0	1 1 0	1 2 0	1 3 0	1 4 0	
Straight joint do. in breadths not reduced, 1¼ inch thick	0 14 0	0 15 0	0 16 0	0 17 0	0 18 0	0 19 0	1 0 0	1 1 0	
Ditto down to one inch thick	0 12 0	0 13 0	0 13 0	0 14 0	0 15 0	0 16 0	0 17 0	0 18 0	
Broken joint, do. 1¼ inch thick.....	0 11 0	0 11 6	0 12 0	0 12 6	0 13 0	0 13 6	0 14 0	0 14 6	
Ditto down to inch thick....	0 10 0	0 10 6	0 11 0	0 11 6	0 12 0	0 12 6	0 13 0	0 13 6	
Plain do. in hay lofts, and the like.....	0 8 0	0 8 6	0 9 0	0 9 6	0 10 0	0 10 6	0 11 0	0 11 6	
Counter-flooring	0 4 0	0 4 3	0 4 6	0 4 9	0 5 0	0 5 3	0 5 6	0 5 9	
Bridging joists, including keys	0 0 2	0 0 3	0 0 4	0 0 5	0 0 6	0 0 7	0 0 8	0 0 9	
Trimmers to stair cases and other places where required.....	0 0 5	0 0 6	0 0 7	0 0 8	0 0 9	0 0 10	0 0 11	0 1 0	
Trimmers to hearths, per piece	0 2 3	0 3 0	0 3 6	0 4 0	0 4 6	0 5 0	0 5 6	0 6 0	

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TABLE LXIV.

CARPENTER'S WORK.

(WORKMANSHIP ONLY.)

The Gentleman furnishing the Contractor with every kind of accommodation to enable him to perform the work, (working tools excepted) and charging his work according to the rate he pays his men per day.—*The following at per Square.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0
Framed Roofing, according to the span and elevation ..	1	2	0	1	3	6	1	5	0	1	7	6	1	9	0	1	10	6	1	12	0	1	13	6
Common Roofing, with 2 purloins each side.....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6
Ditto with collar braces....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9
If the collars are halved on..	0	8	6	0	8	8	0	9	0	0	9	4	0	9	8	0	10	0	0	10	4	0	10	8
Ceiling Joists, or plain Partitions.....	0	3	4	0	3	6	0	3	8	0	3	10	0	4	0	0	4	2	0	4	4	0	4	6
If halved on	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	*5*	0	0	*5*	3
Truss Partitions	0	13	0	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0
Joist and plank flooring in reduced breadths, dowelled agreeable to the scantling, the Contractor not flat cutting the plank.....	1	4	0	1	6	0	1	8	0	1	10	0	1	12	0	1	14	0	1	16	0	1	18	0

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Table LXIV. *continued.*

RATES PER DIEM.....	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	
	0	3	6	0	3	9½	0	4	0	0	4	4	0	4	8	0	5	0	0	5	5	0	6	0	
Joists and plank flooring in reduced breadths, not dowelled.....	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4	0	*per square.*
Straight joint do. in breadths not reduced, 1½ inch thick	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	
Ditto down to one inch thick	0	12	0	0	12	9	0	13	6	0	14	3	0	15	0	0	15	9	0	16	6	0	17	3	
Broken joint, do. 1½ inch thick.....	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6	0	14	0	0	14	6	
Ditto down to inch thick....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	0	0	13	0	0	13	6	
Plain do. in hay lofts, and the like.....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9	
Counter-flooring	0	4	0	0	4	2	0	4	4	0	4	6	0	4	8	0	4	10	0	5	0	0	5	2	
Bridging joists, including keys	0	0	2	0	0	2h	0	0	3	0	0	3h	0	0	4	0	0	4h	0	0	5	0	0	5	*per foot.*
Trimmers to stair cases and other places where required.....	0	0	5	0	0	6	0	0	7	0	0	8	0	0	9	0	0	10	0	0	11	0	1	0	
Trimmers to hearths, per piece	0	2	8	0	3	0	0	3	4	0	3	8	0	4	0	0	4	4	0	4	8	0	5	0	

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TABLE LXIV.

CARPENTER'S WORK.

(WORKMANSHIP ONLY.)

The Gentleman furnishing the Contractor with every kind of accommodation to enable him to perform the work, (working tools excepted) and charging his work according to the rate he pays his men per day.—*The following at per Square.*

	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
RATES PER DIEM.....	0	3	6	0	3	9½	0	4	0	0	4	4	0	4	8	0	5	0	0	5	5	0	6	0
Framed Roofing, according to the span and elevation ..	1	2	0	1	3	6	1	5	0	1	7	6	1	9	0	1	10	6	1	12	0	1	13	6
Common Roofing, with 2 purloins each side.....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6
Ditto with collar braces....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9
If the collars are halved on..	0	8	6	0	8	8	0	9	0	0	9	4	0	9	8	0	10	0	0	10	4	0	10	8
Ceiling Joists, or plain Partitions.....	0	3	4	0	3	6	0	3	8	0	3	10	0	4	0	0	4	2	0	4	4	0	4	6
If halved on	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	0	5	3
Truss Partitions	0	13	0	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0
Joist and plank flooring in reduced breadths, dowelled agreeable to the scantling, the Contractor not flat cutting the plank.....	1	4	0	1	6	0	1	8	0	1	10	0	1	12	0	1	14	0	1	16	0	1	18	0

Note.—In Roofing, 1 pair of Rafters is lost to the Contractor, where Gable, also if framed principals, next Gables, 1 pair is lost similar.

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Table LXIV. *continued.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0	
Joists and plank flooring in reduced breadths, not slow-elled.....	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4	0	*per square.*
Straight joint do. in breadths not reduced, 1½ inch thick	0	14	0	0	15	0	0	16	0	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	
Ditto down to one inch thick	0	12	0	0	12	9	0	13	6	0	14	3	0	15	0	0	15	9	0	16	6	0	17	3	
Broken joint, do. 1½ inch thick.....	0	11	0	0	11	6	0	12	0	0	12	6	0	13	0	0	13	6	0	14	0	0	14	6	
Ditto down to inch thick....	0	10	0	0	10	6	0	11	0	0	11	6	0	12	0	0	12	0	0	13	0	0	13	6	
Plain do. in hay lofts, and the like.....	0	8	0	0	8	3	0	8	6	0	8	9	0	9	0	0	9	3	0	9	6	0	9	9	
Counter-flooring	0	4	0	0	4	2	0	4	4	0	4	6	0	4	8	0	4	10	0	5	0	0	5	2	
Bridging joists, including keys	0	0	2	0	0	2h	0	0	3	0	0	3h	0	0	4	0	0	4h	0	0	5	0	0	5	*per foot.*
Trimmers to stair cases and other places where required.....	0	0	5	0	0	6	0	0	7	0	0	8	0	0	9	0	0	10	0	0	11	0	1	0	
Trimmers to hearths, per piece	0	2	8	0	3	0	0	3	4	0	3	8	0	4	0	0	4	4	0	4	8	0	5	0	

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Table LXIV. *continued.*

RATES PER DIEM	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	
	0	3	6	0	3	9½	0	4	0	0	4	4	0	4	8	0	5	0	0	5	5	0	6	0	
Scantling door frames, rabbeted	0	0	4	0	0	4h	0	0	5	0	0	5h	0	0	6	0	0	6h	0	0	7	0	0	7	*per foot.*
Door frames in partitions	0	0	3	0	0	3	0	0	3h	0	0	4	0	0	4	0	0	4h	0	0	5	0	0	5h	
Sash frames, including outside casings	0	0	3	0	0	3	0	0	3h	0	0	4	0	0	4	0	0	4h	0	0	5	0	0	5	
Slips and stops, neatly molded	0	0	1	0		1	0	0	1h	0	0	1h	0	0	2	0	0	2	0	0	2	0	0	2	
Sash Frames, including outside casings. 10 by 4 feet, contains 40 superficial feet	0	5	0	0	5	4	0	5	8	0	6	0	0	6	4	0	6	8	0	7	0	0	7	4	*per frame.*
9 by 4 do. 36 do.	0	4	6	0	4	10	0	5	2	0	5	6	0	5	10	0	6	2	0	6	6	0	6	10	
8 by 4 do. 32 do.	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	0	5	3	0	5	6	0	5	9	
7 by 4 do. 28 do.	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	0	5	3	
6 by 4 do. 24 do.	0	3	0	0	3	3	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	
5 by 3 do. 15 do.	0	2	6	0	2	8	0	2	10	0	3	0	0	3	2	0	3	4	0	3	6	0	3	8	
All circular headed do. double value of the above per the superficial foot.																									
Ditto Wyat frames, averaged double the superficial of single frames.																									

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Table LXIV. *continued.*

RATES PER DIEM	*s.* 3	*d.* 6	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0	
Bedding large frames	1	8	1	9	1	10		1	11		2	0		2	1		2	2		2	3		*per frame.*
Ditto small	1	0	1	1	1	2		1	3		1	4		1	5		1	6		1	7		
Inserting pully boxes, per pair	0	5	0	5h	0	6		0	6h		0	7		0	7h		0	8		0	8		
Plain slips, stops, and parting beads	0	1	0	1	0	1h		0	1h		0	2		0	2		0	2		0	2		*per foot.*
Planceers and freeing beads	0	3	0	3	0	3h		0	4		0	4		0	4h		0	5		0	5		
Astragal or such sashes, 2½ inch bar, sprung & dowelled	0	7	0	7h	0	8		0	8h		0	9		0	9h		0	10		0	10		*per superf. ft.*
Ditto not sprung, but dowelled	0	6	0	6h	0	7		0	7h		0	8		0	8h		0	9		0	9		
Ditto not dowelled	0	4	0	4	0	4h		0	5		0	5		0	5h		0	6		0	6		
Ditto 2 inch bar dowelled ..	0	5	0	5h	0	6		0	6h		0	7		0	7h		0	8		0	8		
Ditto not dowelled	0	4	0	4h	0	5		0	5h		0	6		0	6h		0	7		0	7		
Ditto ovola molded	0	3	0	3	0	3h		0	4		0	4		0	4h		0	5		0	5		
Grounds to planceers, and freeing beads	0	2	0	2	0	2h		0	3		0	3		0	3h		0	4		0	4		*per lineal ft.*
Square plinth inserted in window banks.....	0	3	0	3h	0	4		0	4h		0	5		0	5h		0	6		0	6		
Ditto laid on.....	0	2	0	2	0	2h		0	3		0	3		0	3h		0	4		0	4		

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Table LXIV. *continued.*

RATES PER DIEM	*s.* 3	*d.* 6	*s.* 3	*d.* 9½	*s.* 4	*d.* 0	*s.* 4	*d.* 4	*s.* 4	*d.* 8	*s.* 5	*d.* 0	*s.* 5	*d.* 5	*s.* 6	*d.* 0	
Neat molded base for principal rooms, according to size from 2 to 3 inches deep ..	0	4	0	4h	0	5	0	5h	0	6	0	6h	0	7	0	7	*per lineal foot.*
Plinth pilastered on ditto, 6 to 8 inches deep	0	3	0	3	0	3h	0	4	0	4	0	4h	0	5	0	5	
Neat base molded skirting ..	0	4	0	4	0	4h	0	5	0	5	0	5h	0	6	0	6	
Ditto torus, or such molded skirting	0	3	0	3	0	3h	0	4	0	4	0	4h	0	5	0	5	
Ditto beaded skirting	0	2	0	2	0	2h	0	2h	0	3	0	3	0	3	0	3	
Subbase for principal rooms ..	0	6	0	6h	0	7	0	7h	0	8	0	8h	0	9	0	9	
Ditto attic, or bed rooms....	0	4	0	4	0	4h	0	5	0	5	0	5h	0	6	0	6	
Ditto garrets.....	0	3	0	3	0	3h	0	3h	0	4	0	4	0	4	0	4	
Grounds properly prepared to base and subbase	0	3	0	3	0	3h	0	3h	0	4	0	4	0	4	0	4	
Slips set on floor to plinth, &c.	0	1	0	1	0	1h	0	1h	0	2	0	2	0	2	0	2	
Double-faced architraves in principal apartments	0	6	0	6h	0	7	0	7h	0	8	0	8h	0	9	0	9	
Ditto to attics	0	5	0	5	0	5h	0	6	0	6	0	6h	0	7	0	7	
Single-faced to attics.....	0	4	0	4	0	4h	0	4h	0	5	0	5	0	5	0	5	

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Table LXIV. *continued.*

RATES PER DIEM	s. d. 3 6	s. d. 3 9½	s. d. 4 0	s. d. 4 4	s. d. 4 8	s. d. 5 0	s. d. 5 5	s. d. 6 0	
Sigle-faced architraves to garrets, &c.	0 3	0 3	0 3h	0 3h	0 4	0 4	0 4	0 4	per lineal foot.
Pilasters to fronts & principal apartments, including caps and bases	0 8	0 8h	0 9	0 9h	0 10	0 10h	0 11	1 0	
Ditto in inferior apartments	0 6	0 6h	0 7	0 7h	0 8	0 8h	0 9	0 9	
Ditto in plain manner	0 4	0 4h	0 5	0 5h	0 6	0 6h	0 7	0 7	
Saddles to quoins	0 3	0 3	0 3h	0 4	0 4	0 4h	0 5	0 5	
Staffs to quoins	0 2	0 2	0 2h	0 3	0 3	0 3h	0 4	0 4	
Framed wainscot to principal stories	3 4	3 6	3 8	3 10	4 0	4 2	4 4	4 6	per superf. yard. lin. ft.
Ditto to attics, or bed chambers	3 0	3 2	3 4	3 6	3 8	3 10	4 0	4 2	
Ditto garrets and other inferior stories	2 10	3 0	3 2	3 4	3 6	3 8	3 10	4 0	
Plain wainscot	2 6	2 8	2 10	3 0	3 2	3 4	3 6	3 8	
If only one side wrought	2 3	2 4	2 5	2 6	2 7	2 8	2 9	2 10	
Fillet gutters made in peculiar manner, fillet as parapet	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	

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Table LXIV *continued.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0	
Fillet gutters made in plain manner	0	0	6	0	0	6h	0	0	7	0	0	7h	0	0	8	0	0	8h	0	0	9	0	0	9	*per lineal foot.*
Rain water trunks, plowed & tongued, put together, with paint	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4	0	1	5	0	1	6	0	1	7	
Ditto plain and pitched.....	0	0	6	0	0	6h	0	0	7	0	0	7h	0	0	8	0	0	8h	0	0	9	0	0	9	
Ditto smaller.....	0	0	5	0	0	5h	0	0	6	0	0	6h	0	0	7	0	0	7h	0	0	8	0	0	8	
Spring boards	0	0	2	0	0	2	0	0	2h	0	0	2h	0	0	3	0	0	3	0	0	3	0	0	3	
Half hand rail	0	0	5	0	0	5	0	0	5h	0	0	6	0	0	6	0	0	6h	0	0	7	0	0	7	
Circular do. double, unless very flat curve, one half more.																									
Mahogany rail to geometrical stairs, and screwing iron ballustrades	0	2	6	0	2	8	0	2	10	0	3	0	0	3	2	0	3	4	0	3	6	0	3	8	
Oak ditto	0	2	0	0	2	2	0	2	4	0	2	6	0	2	8	0	2	10	0	3	0	0	3	2	
Stair case, with volute to first step, continued rail to a story from 13 to 16 feet high, steps 3¾ to 4½ feet long, done in best manner	15	0	0	16	0	0	17	0	0	18	0	0	19	0	0	20	0	0	21	0	0	22	0	0	*per story.*

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Table LXIV. *continued.*

RATES PER DIEM.....	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l* 0	*s.* 6	*d.* 0
Stair case, with volute to first step continued, rail to a story from 13 to 16 feet high, steps 3¾ to 4½ feet long, done in an inferior manner	10	0	0	10	15	0	11	10	0	12	5	0	13	0	0	13	15	0	14	10	0	15	5	0
Ditto, story 11 to 13 feet high, done in best manner	12	10	0	13	5	0	14	0	0	14	15	0	15	10	0	16	5	0	17	0	0	17	10	0
Ditto in an inferior manner..	8	0	0	8	10	0	9	0	0	9	10	0	10	0	0	10	10	0	11	0	0	11	10	0
Ditto, story 9 to 11 feet high, steps 3½ to 4 feet long, done in the best manner..	9	0	0	9	10	0	10	0	0	10	10	0	11	0	0	11	10	0	12	0	0	12	10	0
Ditto without volute to first step, post and rails ramped and kneed	6	10	0	6	18	0	7	6	0	7	14	0	8	2	0	8	10	0	8	18	0	9	6	0

per story.

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Table LXIV. *continued.*

RATES PER DIEM	*l.* 0	*s.* 3	*d.* 6	*l.* 0	*s.* 3	*d.* 9½	*l.* 0	*s.* 4	*d.* 0	*l.* 0	*s.* 4	*d.* 4	*l.* 0	*s.* 4	*d.* 8	*l.* 0	*s.* 5	*d.* 0	*l.* 0	*s.* 5	*d.* 5	*l.* 0	*s.* 6	*d.* 0	
Steps from 3 to 5½ feet long. Plain stairs to basement, story from 11 to 13 feet high	4	10	0	4	15	0	5	0	0	5	5	0	5	10	0	5	15	0	6	0	0	6	5	0	*per story.*
Ditto to garret story	4	0	0	4	5	0	4	10	0	4	15	0	5	0	0	5	5	0	5	10	0	5	15	0	
Do. from 9 to 11 feet high	3	10	0	3	14	0	3	18	0	4	2	0	4	6	0	4	10	0	4	14	0	4	18	0	
These are termed dog-legged stairs, or of such value.																									
Palisadoes, the bars neatly molded on top to imitate iron, done in best manner, well braced, and balls under the posts	0	4	0	0	4	4	0	4	8	0	5	0	0	5	4	0	5	8	0	6	0	0	6	4	*per lineal foot.*
Ditto inferior, but neatly done, bars about 4 inches apart	0	3	3	0	3	6	0	3	9	0	4	0	0	4	3	0	4	6	0	4	9	0	5	0	
Do. done plain, bars not through top rail nor top shaped	0	2	6	0	2	9	0	3	0	0	3	3	0	3	6	0	3	9	0	4	0	0	4	3	
Wrought framed scantlings in cills to shop fronts, first stile	0	0	8	0	0	9	0	0	10	0	0	11	0	1	0	0	1	1	0	1	2	0	1	3	

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Table LXIV. *continued.*

RATES PER DIEM.....	*s.* *d.* 3 6	*s.* *d.* 3 9½	*s.* *d.* 4 0	*s.* *d.* 4 4	*s.* *d.* 4 8	*s.* *d.* 5 0	*s.* *d.* 5 5	*s.* *d.* 6 0	
Wrought & framed scantlings in cills to story posts and interstices, shop fronts, first stile	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	*per lineal foot.*
Add to ditto if rabbeted	0 1	0 2	0 3	0 4	0 5	0 5	0 6	0 6	
Ditto breastsomer	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	
Ditto entablature	5 0	5 4	5 8	6 0	6 4	6 8	7 0	7 4	
N. B. The pillasters are laid down in their proper places.									
Wrought and framed cill, second stile	0 6	0 7	0 8	0 9	0 10	0 11	1 0	1 1	
Ditto story posts and interstaces	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	
Ditto breastsomer.....	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	
Ditto entablature	3 9	4 0	4 3	4 6	4 9	5 0	5 3	5 6	
Cill to a plain front	0 4	0 5	0 5	0 6	0 6	0 7	0 7	0 8	
Story posts and interstices do.	0 10	0 11	1 0	1 1	1 2	1 3	1 4	1 5	
Breastsomer ditto.....	0 10	0 11	1 0	1 1	1 2	1 3	1 4	1 5	
Entablature ditto	1 8	1 9	1 10	1 11	2 0	2 1	2 2	2 3	

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Table LXIV. *continued.*

RATES PER DIEM.....	*s.* 3	*d.* 6	*s.* 3	*d.* 9½	*s.* 4	*d.* 0	*s.* 4	*d.* 4	*s.* 4	*d.* 8	*s.* 5	*d.* 0	*s.* 5	*d.* 5	*s.* 6	*d.* 0	
HOT HOUSES—FIRST STILE.																	
Wrought and framed scantling in cills, posts, and the like work.....	0	6	0	7	0	8	0	9	0	10	0	11	1	0	1	1	per lineal foot.
Ditto gutter beam, very neat..	1	8	1	9	1	10	1	11	2	0	2	1	2	2	2	3	
Cornice on ditto.....	0	5	0	6	0	7	0	8	0	9	0	10	0	11	1	0	
Pillasters from 4 to 6 inches face.....	1	0	1	1	1	2	1	3	1	3	1	4	1	4	1	5	
Sleepers to roof sashes, wrought, framed, & double rabbeted each side, with scotia and astrigal moldings.....	1	2	1	3	1	4	1	5	1	6	1	7	1	8	1	9	
All casings, &c. in proportion																	
HOT HOUSES—SECOND STILE.																	
Cills, pulley pieces, and similar.....	0	5	0	5	0	6	0	6	0	7	0	7	0	8	0	8	
Gutter beam.....	1	4	1	5	1	6	1	7	1	8	1	9	1	10	2	0	

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Table LXIV. *continued.*

RATES PER DIEM	s. 3	d. 6	s. 3	d. 9½	s. 4	d. 0	s. 4	d. 4	s. 4	d. 8	s. 5	d. 0	s. 5	d. 5	s. 6	d. 0	
Cornice on ditto	0	4	0	5	0	6	0	6	0	7	0	7	0	8	0	8	per lineal foot.
Plain pillasters	0	7	0	7	0	8	0	8	0	9	0	9	0	10	0	10	
Sleepers to roof sashes as above but plain ovallo moldings only	0	10	0	10	0	11	0	11	1	0	1	0	1	1	1	1	
Sashes to green houses	0	3	0	3	0	4	0	4	0	5	0	5	0	6	0	6	
RACKS & MANGERS IN GENERAL USE—FIRST STILE.																	
The framing of rack to be of fir, cased in manner to appear as solid oak, (segment face) solid oak front and bottom to manger, the oak sheeting from top of manger to bottom of rack included	9	8	10	4	11	0	11	8	12	4	13	0	13	8	14	4	
To charge for the oak wainscot from top of rack to floor over, per superficial foot..	0	5	0	5	0	6	0	6	0	7	0	7	0	8	0	8	.

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Table LXIV. *continued.*

RATES PER DIEM.....	*s.* 3	*d.* 6	*s.* 3	*d.* 9½	*s.* 4	*d.* 0	*s.* 4	*d.* 4	*s.* 4	*d.* 8	*s.* 5	*d.* 0	*s.* 5	*d.* 5	*s.* 6	*d.* 0	
For each seed receiver fitted up.....	4	0	4	4	4	8	5	0	5	4	5	8	6	0	6	4	*per lineal foot.*
Stall posts wrought and molded, if square	0	5	0	5	0	6	0	6	0	7	0	7	0	8	0	8	
Ditto if hexagon or octagon..	0	7	0	7	0	8	0	8	0	9	0	9	0	10	0	10	
If prepared for turning (as square), in proportion.																	
Wrought, framed, and groved cills to stalls.....	0	7	0	7	0	8	0	8	0	9	0	9	0	10	0	10	
Ditto top rails same as cill ..																	
Ditto oak capping molded ...	0	6	0	6	0	6	0	7	0	7	0	7	0	8	0	8	
All circular in ramps double value—Wainscot between stalls, as arches, cornices, and the like as executed.																	
Second stile, done in same manner as first, but not cased with oak.....	6	6	7	0	7	6	8	0	8	6	9	0	9	6	10	0	
Square stall posts, edges molded.....	0	5	0	5	0	6	0	6	0	7	0	7	0	8	0	8	

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Table LXIV. *continued.*

RATES PER DIEM	s. 3	d. 6	s. 3	d. 9½	s. 4	d. 0	s. 4	d. 4	s. 4	d. 8	s. 5	d. 0	s. 5	d. 5	s. 6	d. 0	
Groved & molded cills & top rails.....	0	6	0	6	0	7	0	7	0	8	0	8	0	9	0	9	lineal foot.
Wainscot in stalls, per superficial yard	3	0	3	3	3	6	3	9	4	0	4	3	4	6	4	9	
THIRD STILE.																	
Strong plain racks and mangers of deal, fit for cart horses, &c.																	
Stall post to ditto, per lineal foot	0	4	0	5	0	5	0	6	0	6	0	6	0	7	0	7	
Swinging bales per piece	2	6	2	9	3	0	3	3	3	6	3	9	4	0	4	3	
Seed receivers ditto.....	2	6	2	9	3	0	3	3	3	6	3	9	4	0	4	3	
Bridged and boarded gutters, per superficial foot	0	4	0	4	0	4	0	5	0	5	0	5	0	6	0	6	
Ridge and hip poles per lineal foot	0	3	0	3	0	3	0	4	0	4	0	4	0	5	0	5	

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RULES,

Agreed to by the Corporation of Carpenters, to be observed by the Measurers of the City of Dublin, for taking dimentions of Carpenters' work, at their Post-hall, on the 2d day of August, 1792.

As many inconveniencies have occurred in most branches of the building business of late, from the different modes practiced by measurers, which has occasioned disputes between the proprietors and workmen, the Corporation of Carpenters, therefore, taking the same into serious consideration, do unanimously agree, that the following Rules, before taking dimentions of carpenters' work, should be instructions to the measurer in future, for their practice, so that neither the proprietor nor the artificer should be injured.

I.—That all hips and vallies should be measured running, and added to the contents of the roof, and the breadth of the wall plate added to the length of the rafters, provided it be not less than 3 inches thick; all wall plates from 2 to 3 inches thick, allowed half breadth only of said wall plate. Return wall plates under principals to be returned separately, and all roofs to be returned as it may be, with or without collars. That all ceiling joists, whatever part of the rafter it may be placed in to answer for ceiling joists, shall be returned separately as such for the roof; and that circular roofing shall be taken the full length of the roof, and the full length of the rafters return separately.

II.—That two thirds of the side of roof gutters be added to the inside breadth of the bottom, provided the sides be

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feather-edged plank, as an allowance for nailing. That all round for lead in hips, ridges, and under-eaves, be taken running measure, and all trunks, fillets, and open gutters the same.

III.—That all ceiling joist be taken their full length, trunk on waggon head ceiling be returned by the square, and their principal ribs and bearing slips to be returned separately by the foot lineal. That all bracketting as before, and all brackets under 12 inches by the lineal foot.

IV.—That all flooring joists be measured their full length, when exceeding 9 inch wall holes; and in general, 9 inch wall holes to be allowed, and no deductions made for hearths; and all trimmers, except hearths that has joists framed into them, be measured running as extra scantling, and their lineal measure returned for extra workmanship of framing. Boarding to be measured in the clear of the walls, deducting the hearths, except to angle chimneys; and when joists and boarding are taken together, the full length of the joists and breadth of the boards to be added together, and half that to be a mean breadth. Counter-ceiling to be measured as boarded flooring—all girders to be returned lineal measure, expressing their scantling, and all binding joists to be returned by the square.

V.—Bridging between joists to be measured by the running foot, and their scantling mentioned; likewise scantling of rafters, ceiling, and flooring joists; the thickness of boards to be mentioned. All lengths of ties and tassels to be measured and returned by the cube foot.

VI.—Where sashes are measured in the clear of the frames, the breadth of the lapped rail on stile is to be added, and when sashes and frames are measured together, to be taken from out to out of the frames, and the lap of the rail to be added. That circular sashes be measured by multiplying the base by the perpendicular, and returned separately;

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when parting slips are the due, to be returned by the lineal foot—parting slips between heights to be measured by the lineal foot.

VII.—That all palisadoes be measured from out to out.

VIII.—That all inside doors framed and panels raised on both sides, the framing 1¼ inch thick, containing four panels or upwards, be measured double work; and the panels of ditto raised on one side, and flat on the other, work and three quarters, or four panel doors or upwards, the framing to be one and three quarters inch thick: both sides flat panelled, double work; and panels of ditto, raised on both sides, allowed double work and three quarters; and four panelled doors stuck on both sides, work and three quarters; and stuck on one side, and square on the other, work and half, with an additional quarter work, in case panels are raised on both sides. And all double margin doors measured separate.

IX.—All framed window shutters, from 1¼ to 1½ inch thick, are to be allowed double work, and if stuck on front and square on back, work and three quarters, and if bead and flush at back, double work and quarter; and for every eighth increase in thickness, add one eighth of work; and if raised on one side, the same allowance as doors: and if ten inches (and under) in breadth, one quarter work to be added to the measurement, as a compensation for extra workmanship. All back leaves framed, and squared from one and quarter to one and half inches thick, work and quarter; and for every eighth increase in the thickness, an eighth to be added to the measurement. That all framed window shuts be allowed the same as work and half, for workmanship only. That all shop window shuts come under the dimentions as framed wainscot, as doors in general.

X.—That there be one and half inches allowed for nailing in the angles, and the same under the subbase; and that backs of windows be measured quite down to

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the floor as a compensation for the bearing pins that lay under the planceers, between the cill frame and the back; and if that piece should happen to exceed the breadth of the plinth, the extra breadth to be added to the heighth of the back.

XI.—That all wainscot framing from 1 ½ to 1 ¾ inches thick, framed, stuck on one side and flush on the other, with slit deal panels, to be allowed work and half; wainscot to be allowed square, from one to one and half inch thick, if slit deal panels, mulleted and planed at both sides, guaged in groove partition, to be allowed work and quarter; and if framed bead and flush, work and half; that an extra charge be made for fixing the pulley casings, by adding a quarter work, to inch are done in that manner, if fronted the stiles to be equal to quarters 2, in a board of whole deal in all framed work.

XII.—That slit deal panels battened with shuts, deal and ledged, be allowed work and quarter; and panels from one to one and half inches thick, battened and ledged, work and three quarters; and not ledged, work and half; and if dutch battened, double work.

XIII.—That in measuring gates and stop frames, the scantling be returned lineal ed, and the work expressed. That all ledged doors rabbeted, from three quarters to inch thick, be allowed work and quarter; and that for every eighth increase in thickness, increase an eighth in work; and coach-house gates in the same proportion.

Note.—The ledges to be included in average, on account of said allowances; when measured in the above manner, the hanging to become a separate charge.

XIV.—That bead and flush work from, one and quarter to one and half inches thick, with one inch panels, the framing grooved and stuck, on one side battened,

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work and three fourths, and stuck on both sides double work; and if the same be flush on both sides, add one quarter more.

XV.—That all tables, dressers, and shelves, planed on both sides, from three-fourths to one inch thick, be measured single measure; and for every eighth the same increase to be made in measurement; and all bearing slips under shelves to be returned lineal measure.

XVI.—That naked flooring for hanging paper, grounds fixed to wall, saddles and staffs to quoins, and plain skirting, be measured by the foot lineal; that all cornices, imposts, subbase, base and plinth, the same adding the projection of moldings in all angles, bracketting the same, except as agreed, twelve inches girth to be returned by the foot superficial.

XVII.—That all partitions with quarters three in a board, and slit deal planed on both sides stuck, and sprung, or rabbeted, be measured work and quarter, and boarded with two cut deal, work only.

XVIII.—That the breadth of all half paces, be made equal to the length of the steps of the stairs, and all the floors and joists of half paces, exceeding in breadth, the length of the steps be measured as floors and joists.

XIX.—That in measuring ton slating, the depth of the first, commonly called the eave course, shall be added to the depth of the side of the roof, in consideration of the under-eave, and that double work be allowed for hips and vallies.

Resolved.—That any person who may be employed to make out plans and estimates, shall be paid at the rate of two per cent. for the amount of his estimate, if he should not be employed in the performance of the work, and in case he should be so employed in the work, he shall then be entitled to the sum of five per cent. upon all the works

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performed by his directions, or by his plans, except that part which may be his own particular branch, and upon which he may have profit in the course of the works; and if such persons should be employed in the country, he shall be entitled to six per cent. and his travelling expenses paid.

(Copy.)

ON THE

STRENGTH AND PROPRIETY OF BUILDING.

Of the Foundations and Superstructure of Walls.

The first quality to be observed in all buildings, is strength: this directly alludes to ground work, in every respect, and part of which, a builder ought to have a perfect knowledge of, before the first stone or brick is laid; for whatever errors may be committed in a building, they cannot, in any manner, be so pernicious as a defect in the foundation. It requires every man, therefore, who is principally concerned in an edifice, to inspect into this great particular himself, it being the basis upon which the whole building depends: he therefore should be well assured of its natural solidity. If the ground be faulty, it will be necessary to supply this natural defect by art, which may be done equal to any strength requisite.

An artificial foundation is that which is made when the ground is loose and defective, by the help of piles or planking, and must be indifferently used according to the builder's judgment. If the ground be a loose sand, and stands on water, but a short space from the surface, or floor of the cellar, (if such are) it will be requisite to drive piles all through the different foundations as close as they will admit, especially at all angles, quoins, and chimneys. With regard to the length of the piles, they must always be regulated by the strength or body of the earth, and the weight and magni-

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tude of the superstructure; for my part, I would have piles so long as to reach to a solid stratum—the scantling of piles ought to be about one fourteenth part of their length. With regard to inner walls, it may not be requisite to have the piles quite close, but at the distance of 3, 4, or 5 feet apart, between which, lay bridgings of oak, and planking may be placed on the whole.

Directions to begin a Building.

First.—Level your ground at the bottom, where your walls are to stand over, and at every quoin; and from that, at three feet distance, lay bridging of oak the whole width, (or thickness) of foundation; between these lay brick or stone from the bottom level to the top, side of these bridgings of oak, with planking three or four inches thick, to cover the entire, and on them proceed, observing to bed the plank very securely with good beams, that the wood may lie very solid along, and very particularly level.

The benefits which arise from a level foundation, are too obvious to require comment, as the work from same to completion must always be in like state. But a shrewd maxim, that when this example is strictly adhered to (and the materials of a proportionable weight, its bearing upon the grounds are equal,) and if any settlement should ensue, it may then be in parts equal.

The foundation being thus secured, we are next to consider the other appurtenances of strength, viz. the walls, centering groins, floors, bond timbers, lintels, discharging pieces, tassels, plates, girders, roof (tye) beams, which must all bear a proportion to each other, and in every respect adequate to the whole superstructure.

First.—OF WALLS.

The great and principal strength of walls lies in the peculiar cause of their erection, which is to support a cer-

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tain weight to be appropriated, therefore, of course made sufficient for the purpose intended, in order to reduce this system to a certainty; consult yourself respecting the heighth and width of the structure, by which means, fix a standard for the thickness of walls; but this last observation lies within the limits of propriety. I will conclude with the following observations, viz. after the foundations are secured, to continue this quality of strength, the walls must be all built perpendicular; for in this state they lie in their proper state of strength. The timbers must likewise be all of sufficient scantlings, proportionable to the magnitude of the building, and have proper bearing in the walls; the bond timber being bound in angles and securely laid, proceed till the roof is laid on plates very securely scarfed, and laid in one continued chain all through. All girders to be laid on piers, (if possible, with binding scantling under,) and brick arches turned over the tops of ditto; if the girders are of great length, they should be trussed.

On the Practice of Brick Work.

The great principle in the practice of brick work, lies in the propriety or certain motion of gravity, caused by a multiplicity of substance being added or fixed in resistible matter; it therefore naturally tends downwards, according to the weight and power impressed; from which observation, the requisite inferences may be drawn, and such remarks made as to enable the workmen to complete with accuracy, so that no bad consequences can attend and prevent any irregular settlements to accrue.

And first, it will be necessary to consider the motives of the above mentioned proclivity, which is chiefly caused through the yielding mixture of the materials, which composes the mortar, and cannot be well reduced to any certainty, because, of the absolute weight of a brick, or any other substance or quality thereof; therefore, particular care should be taken, that it be of a regular quality, through-

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out the work, of the whole edifice: likewise, the same force used to one brick as another; that is, the stroke of a trowel, (a part in point of practice of much more consequence than is often thought) is of a greater pressure, than the absolute weight of twenty bricks; therefore, it is requisite to strike each, when laid in their proper place, with the trowel, before the mortar is settled.

There is one material evil (unless guarded against) very much in practice, and causes a bulging in large flank walls when not properly set off on both sides. The irregular method of laying bricks too high on front edge, and sometimes building the walls too high on one side, without continuing and properly tying all through as they carry up the work. The work, if any thing, should incline towards the centre, or heart of the wall, that one half of the wall should be a shore to the other, though scarcely visible.

To camber arches, there is a regular method for the skew, this in all cases, should be one third the height; therefore, in an arch 9 inches high, 3 inches skew; in 14 inches high, 4¾ inches skew; and in 18 inches high, 6 inches skew; and likewise, observe in dividing the arch, have an odd brick; by so doing, you will have proper bond, and the key in centre; in which state it must be for strength and beauty, and the soffit all drawn from the one centre.—The real point of camber is got from the same proportion: First, divide the heighth of the arch into three parts; one is the diminishing for skewing, a line drawn from that through, the point at springing of skew; likewise opposite side. These intersecting in centre of ope, gives the camber and joints of all the arch bricks, &c.

Of Groin Arches.

A groin is the intersection, or meeting of two circles upon their dioginal elevation, drawn on the different sides

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of a square, or any other figure, whose principal of strength lies in the united force of elevation by geometrical proportion to one certain gravity, which is the centre to which all bearings tend.

The difficulty that attends the execution of a Brick Groin.

This lies in the peculiar manner of appropriating proper bond at the intersections of the two circles as they gradually rise to the crown, to an exact point, in the meeting or intersecting of those angles, will be formed a rib inside, which should be particularly straight and perpendicular to a diogi-nal line drawn on the plan.

The workman must observe, that the manner of turning groins, with respect to the sides, is the same as other arches and centres, except in the angles, which must be traced for their properties, by applying the bricks, viz. 2 or 3 to an angle; by this means he effectually sees how to cut them and the bond requisite.

If the arch is to be rubbed and guaged, you must divide each arch into an exact number of parts, and extend the line till they meet on the groin; by these means you will have the curve for the angle, from which you will make your templets, observing in fixing the centres, that the carpenter raises them somewhat higher at the crown, to allow for setling, which frequently happens sometimes by the pressure on the abutments, and at other times from the length of the crown.

Observe also, in building of vaults, that the piers, or abutments be of sufficient strength. All abutments to vaults, whether groined or sewer, should be to the width of span; and if any great weight is to be sustained, bridgings of timber should also be framed, to discharge the weight from the crown of arch.

After a vault, or groin, is finished, it is highly necessary to pour on a mixture of terrace, or lime and water (grout)

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on the crown, and give a little time to dry before you strike the centres, in order that these may make a connected cement of the whole.

Rough groins have no more value on them than sewer arches, which are included at per perch with other brick work, adding the angles of groins at per lineal foot; the value of which is about one shilling and four pence per foot. A man will cut and turn about 8 feet per day, which, with the waste on the bricks, will not more than pay him. Groin vaults rubbed and guaged are worth 1*s.* 6*d.* per superficial foot, and the lineal of angles to ditto 3*s.* 6*d.* per foot.

Of a Nich in Brick Work.

A nich is the inner or concave quarter of a globe, and usually placed in walls on the exterior of a building, for statues; and the practice of this in brick work is the most difficult part of the profession, on account of the very thin size they are obliged to be reduced to, down at the inner circle, as they cannot extend beyond the thickness of one brick at the crown, it being the usual, as well as much the neatest method to have all the courses standing.

The best way to reduce this to practice is, to draw the front, back, &c. and make a templet of paste-board, after you have divided the arch for the number of bricks, one templet will answer for all the standing course in front, and another for the side of the brick; and at the top of the straight part, from whence the nich takes its spring, you must remember to make a circle, the diameter about eight or nine inches, and cutting this out of paste-board: also divide it into the same number of parts as the outward circle, from which you will get the width of your front templet at the bottom; the reason of this inner circle is, to cut off the thin conjunction of points, which must all finish in the centre, and which in brick work, never could be wrought to that nicety; it being impossible to cut bricks with accuracy less than half an inch thick, the brick must be lying

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within the inner circle, (it requires one templet) convex to try the faces of the brick on, also for the setting when they are guaged.

The stone you rub the faces of the brick on, must be cut at one end to the exact form of the nich, if not, it will be impossible to face them properly.

The bevel of the flat sides is got by dividing the back into an equal number of parts, with the front, and all striking to the centre; from the circle of the front of one brick set your bevel, which will answer for the sides of ditto: observe that the bricks hold full guage at the back, or when you begin to set, there will be great trouble. Works of this kind seldom occur, and should be allowed for in proportion to the extraordinary trouble, which would not be less than about five shillings a superficial foot, allowing double measurement, or allowing single, ten shillings.

A Circular Arch upon a Circular Plan.

This is not so difficult as many imagine: the principal thing to be considered, is the manner of striking the fronts of the brick, which, when once properly understood, will render the practice exceeding familiar.

There is also another consideration to be observed, which is the soffit of the brick to these arches, and which must bear the exact guage behind as in front, in order to secure the strength, and key the work, that the arch may have no inclination to a centre otherwise than what tends to its gravity. The best practical method is, after you have divided your arch, and settled your bonds in front, mark two molds to the sweep of the wall: then place two upright pieces of wood a little over the top of the arch, one at the top and the other moveable downwards, to the top of the courses as they gradually rise; after which, with

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a rod and point on end of ditto, put close to these two ribs, strike the top of each brick, the underside marked by the preceding one: in this manner proceed all through to the top, when you have the exact curve required.

A Semi Eliptic Arch.

Upon the above plan may be executed in like manner, respecting front and soffit, which splay with jamb, and rise to equal heighth; this must be reduced to practice in the following manner: first, divide the arch on each side into an exact number of bricks, and having drawn the width of the wall, and lay down the arch on each side; let fall perpendiculars from the different ends of the brick, and draw parallels into each by the splay of wall, which will give the exact size of brick for the soffit, and likewise the splay on face of brick for both sides.

The quantity of materials required to perform a perch of brick work, and the fluctuating value explained:—multiply the shillings and pence per thousand for your brick by two, then divide by nine, which will give the value for one perch of work: for instance, if you pay forty-five shillings per thousand:

Twice 45 is 90 shillings, divided by 9, shews the value required in one perch to be	£0	10	0
¼ cart of sand to ditto	0	1	3
1¼ hogshead of lime	0	1	3
Labour and profit, including the use, waste, and value of scaffolding	0	2	6
Total value of one perch of brick-work at 2*l.* 5*s.* per thousand	£0	15	0

N. B. For each 2*s.* 3*d.* the brick rises or falls, add or deduct 6*d.* per perch; that is, twice 2*s.* 3*d.* is 4*s.* 6*d.*, which makes 54 pence, one-ninth thereof is 6*d.* as above stated, which answers throughout all the work.

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The usual allowances for brick arches, &c. are as follows, when reduced to 81 square inches, that is 9 by 9 and 4 feet base, or under:

The value is.....	£0	2	2
14 inch arches cleaned off in fronts, from 3*s.* to	0	3	6
18 ditto, from 4*s.* to	0	4	6
Half round double value.			
Splayed jambs, and cant quoins per foot lineal, from 2½*d.* to	0	0	3
Pargetting flues, furnishing materials per foot, from 4*d.* to	0	0	5
Ditto, work only, from 2*d.* to	0	0	3

To know the contents of a brick wall, find the superficial content; multiply that by the number of half bricks, (if more or less than one brick in thickness) divide the same by two, and it will give the statute contents of the wall; suppose 60 feet superficial, and one half brick thick, gives 30 feet, or 1 perch 9 feet; same, one brick thick gives 2 perches, 18 feet; if 1½ brick thick gives 4 perches 6 feet; if 2 bricks thick, gives 5 perches 15 feet; and so in like proportion for any other, one brick in length, or 9 inches, which is the standard thickness of a brick wall.

TABLE LXV.

EXPLANATION.

In the first column towards the left hand, you have the bricks stated, at from £1 2*s.* 6*d.* to £4 10*s.* 0*d.* per thousand, allowing a thousand to perform 4½ perches. In the second, the value of brick to one perch. In the third, the value of materials to one perch of work, allowing 2*s.* 6*d.* for sand and lime. In the fourth, the value of materials and workmanship, allowing 2*s.* 4*d.* for workmanship only. In the fifth, is the value of scaffolding, waste, incidental matters and profit thereon. And in the sixth column is the nett value for one perch of brick work, at the fluctuating rates of bricks per thousand.

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Explaining the value of Bricklayers' Work, with the subsequent charges thereon.

l.	s.	d.	l.	s.	d	l.	s.	d.	l.	s.	d.	s.	d.	l.	s.	d.
1	2	6	0	5	0	0	7	6	0	9	10	1	2	0	11	0
1	4	9	0	5	6	0	8	0	0	10	4	1	2	0	11	6
1	7	0	0	6	0	0	8	6	0	10	10	1	3	0	12	1
1	9	3	0	6	6	0	9	0	0	11	4	1	3	0	12	7
1	11	6	0	7	0	0	9	6	0	11	10	1	4	0	13	2
1	13	9	0	7	6	0	10	0	0	12	4	1	4	0	13	8
1	16	0	0	8	0	0	10	6	0	12	10	1	5	0	14	3
1	18	3	0	8	6	0	11	0	0	13	4	1	5	0	14	9
2	0	6	0	9	0	0	11	6	0	13	10	1	6	0	15	4
2	2	9	0	9	6	0	12	0	0	14	4	1	6	0	15	10
2	5	0	0	10	0	0	12	6	0	14	10	1	7	0	16	5
2	7	3	0	10	6	0	13	0	0	15	4	1	7	0	16	11
2	9	6	0	11	0	0	13	6	0	15	10	1	8	0	17	6
2	11	9	0	11	6	0	14	0	0	16	4	1	8	0	18	0
2	14	0	0	12	0	0	14	6	0	16	10	1	9	0	18	7
2	16	3	0	12	6	0	15	0	0	17	4	1	9	0	19	1
2	18	6	0	13	0	0	15	6	0	17	10	1	10	0	19	8
3	0	9	0	13	6	0	16	0	0	18	4	1	10	1	0	2
3	3	0	0	14	0	0	16	6	0	18	10	1	11	1	0	9
3	5	3	0	14	6	0	17	0	0	19	4	1	11	1	1	3
3	7	6	0	15	0	0	17	6	0	19	10	2	0	1	1	10
3	9	9	0	15	6	0	18	0	1	0	4	2	0	1	2	4
3	12	0	0	16	0	0	18	6	1	0	10	2	1	1	2	11
3	14	3	0	16	6	0	19	0	1	1	4	2	1	1	3	5
3	16	6	0	17	0	0	19	6	1	1	10	2	2	1	4	0
3	18	9	0	17	6	1	0	0	1	2	4	2	2	1	4	6
4	1	0	0	18	0	1	0	6	1	2	10	2	3	1	5	1
4	3	3	0	18	6	1	1	0	1	3	4	2	3	1	5	7
4	5	6	0	19	0	1	1	6	1	3	10	2	4	1	6	2
4	7	9	0	19	6	1	2	0	1	4	4	2	5	1	6	9
4	10	0	1	0	0	1	2	6	1	4	10	2	6	1	7	4

The above Table is calculated to serve the country as well as the city, and ought to be a standard in either, having relation to materials fluctuating, from the probable lowest to the highest prices of brick; in every place workmen's wages may and will rise or fall, which the employer can judge for himself; in estimating also, respecting lime and sand, both of them vary much, on account of the convenience or inconvenience of the same,

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therefore, every part (the brick excepted) is in the hands of the contractor to judge for himself.

Note.—In bad brick, they will only perform $4\frac{1}{4}$ perch, and will require in proportion.

Look in the foregoing Table and you will observe the difference to be about 11*s.* 6*d.* to 12*s.* or $\frac{1}{21}$ part more.

Brick work may properly be stated under three heads for prices, the materials all the same value—difference in manner executed as follows:—viz.

First, the table is rated for work done in best manner, $\frac{3}{8}$ of an inch bed of fine mortar. *Secondly*, to deduct off the table, one-eighteenth of the gross sum; if the beds are five-eighths of an inch, which performs one-fourth of a perch more per 1000 of brick, that is $4\frac{1}{4}$ perches. *Thirdly*, to deduct off the table one-twelfth for work done in rough manner, beds three-fourths to seven-eighths inch, this still increases up to perform five perches per 1000 bricks: if the bricks in all the above cases are good, and just size; and in workmanship only, there is a deduction in value of 2*d.* per perch, in each of the two last heads.

The utility or common practice of building all our edifices of brick, both in city or country, arises from motives too obvious to need explanation, it being generally allowed that brick is much the cheapest, as well as the most eligible substance that can be invented for the purpose, both in point of beauty and duration, and inferior to nothing but wrought stone.

The first thing necessary is, excavating for cellars and foundations; this is done by the cube yard, measuring twenty-seven solid feet, and is charged according to the nature of the ground and carriage; both these being subject to many inconveniences, the probable prices should be from 8*d.* to 2*s.* 0*d.*

Of the Measurement of Brick Work.

The measure by which brick work is taken, is a perch long of 21 feet, one foot high and one brick in

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thickness, which makes 15¾ cube feet. For the more r
way of finding the standard measure in any wall,
tiply the superficial face by the number of half br
divide by 2 reduces the same into standard thickness, an
21 reduces it into nett perches and feet. In measuring
careful to measure out to out only, for one dimention,
clear of walls for the returns.

In measuring angle chimneys, ¼ of the breast, allow
for the thickness, the ope of the flue allowed for p
getting; if not done, to deduct the ope off same, also
other opes, doors, windows, and fire place; 1000 of bric
will perform 4½ perch of work, prices fluctuating.—

One quarter-cart of sand to one perch, rated about 5*s.* per	£0	1	3
1½ hogshead of lime to mix with ditto, about 1*s.* per	0	1	3
TOTAL....	£0	2	6

The workmanship for place or stock put in rough from
the trowel, from 2*s.* to 2*s.* 4*d.* extra, on grey stock fronts
from 1*d.* to 2*d.* superficial foot; ditto, joint tucked in best
manner from 3*d.* to 5*d.* ditto, red stock fronts done in first
stile from 6*d.* to 7*d.*

Note.—32 brick on flat, make one yard square.

Red and grey arches guaged and set in putty per superficial foot, from 1*s.*8*d.* to	£0	2	0
Workmanship only for ditto, from 1*s.* 2*d.* to	0	1	4
Groins cut to arches per lineal foot, from 8*d.* to	0	0	10

Note.—By finding the price per 1000 of brick, multiplied by 2 and divided by 9, you have the value of brick in shillings to perform one perch of rough work: if laid close in fronts, allow 1000 to perform four and quarter perches.

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Explanation of the foregoing Table. LXVI.

At the head of the Table, you have the thickness of any wall in bricks and half bricks, for any thickness; from half a brick, to six bricks thick, under several columns; and in the first, towards the left hand, you may find the number of perches that any wall contains upon the superficies thereof, from 1 perch to 45 perches, and in the several columns you have the perches; in the first column reduced to the standard thickness of one brick, as will best appear by the following examples:

THE USE OF THE TABLE.

Example I.

If a wall, measured upon the superficies thereof, be found to contain 25 perches, and the wall to be 1½ bricks thick, how many perches doth the same wall contain, it being reduced to the standard thickness of one brick?

Look for 25 perches (the superficial measure of the wall) in the first column towards the left hand, and find 1½ bricks (the thickness of the wall) at the head of the Table, and against 25 in the first column, and under 1½ bricks on the head, you will find 37 perches, 10½ feet, and so much does the wall contain.

And so by the following Table, LXVII. you may find, that if the superficial of a wall contains 23 perches, if that wall be

Bricks thick it will contain, being reduced to one brick.	P.	F.	I.	Contents reduced.
½	11	10	6	
1	23	0	0	
1½	34	10	6	
2	46	0	0	
2½	57	10	6	
3	69	0	0	
3½	80	10	6	
4	92	0	0	
4½	103	10	6	
5	115	0	0	
5½	126	10	6	
6	138	0	0	

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Example II.

If a wall be 3 bricks thick, and contains 18 perches, superficial measure, how much doth it contain, being reduced?

Look for 18 in the first column, and against it, under 3 bricks, you will find 54 perches; so much doth the wall contain, being reduced. And so, if a wall

						P.	F.	I.
Contains	35	Perches	$2\frac{1}{2}$	bricks thick,		87	10	6
	25	upon the	3	will contain,		75	0	0
	17	flat, & is	$3\frac{1}{2}$	reduced,		59	10	6

Example III.

If the superficial contents of a wall be 32 perches, and is 6 bricks thick, how many perches will that wall contain, when reduced?

Thirty-two perches superficial, and 6 bricks thick; you must multiply by 6, the number of bricks, will give the reduced contents, which is 192 perches.—viz.

32 perches superficial.
6 bricks thick.

192 perches.

Example IV.

If the superficial of a wall contains 38 perches, and is $9\frac{1}{2}$ bricks thick, how much doth that wall contain, being reduced?

In the table, (at the head thereof) you connot find $9\frac{1}{2}$ brick, but may find 6 and $3\frac{1}{2}$ bricks thick, which added together, make $9\frac{1}{2}$ bricks; then by the table—

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	P.	F.
38 perches by 6 bricks thick, reduced, is	228	0
38 ditto by $3\frac{1}{2}$, ditto reduced, is	133	0
38 ditto by $9\frac{1}{2}$, ditto reduced, is	361	0

Therefore, these examples, I presume, may be sufficient to shew the great use of this table.

TABLE LXVIII.

Of Walls, in feet and inches; the thicknesses calculated to the number of Walls reduced to the standard, agreeable to the Corporation of Bricklayers, in the city of Dublin.

Thickness of Wall.		Number of reduced walls.		In 21 superficial feet.			
				In Stone.		In Brick.	
F.	I.	Stone.	Brick.	F.	F.	P.	F.
6	0	4	8	4	0	8	0
5	$7\frac{1}{2}$	$3\frac{3}{4}$	$7\frac{1}{2}$	3	$15\frac{3}{4}$	7	$10\frac{1}{2}$
5	3	$3\frac{1}{2}$	7	3	$10\frac{1}{2}$	7	0
4	$10\frac{1}{2}$	$3\frac{1}{4}$	$6\frac{1}{2}$	3	$5\frac{1}{4}$	6	$10\frac{1}{2}$
4	6	3	6	3	0	6	0
4	$1\frac{1}{2}$	$2\frac{3}{4}$	$5\frac{1}{2}$	2	$15\frac{3}{4}$	5	$10\frac{1}{2}$
3	9	$2\frac{1}{2}$	5	2	$10\frac{1}{2}$	5	0
3	$4\frac{1}{2}$	$2\frac{1}{4}$	$4\frac{1}{2}$	2	$5\frac{1}{4}$	4	$10\frac{1}{2}$
3	0	2	4	2	0	4	0
2	$7\frac{1}{2}$	$1\frac{3}{4}$	$3\frac{1}{2}$	1	$15\frac{3}{4}$	3	$10\frac{1}{2}$
2	3	$1\frac{1}{2}$	3	1	$10\frac{1}{2}$	3	0
2	0	$1\frac{1}{3}$	$2\frac{2}{3}$	1	7	2	14
1	$10\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{2}$	1	$5\frac{1}{4}$	2	$10\frac{1}{2}$
1	9	$1\frac{1}{6}$	$2\frac{1}{3}$	1	$3\frac{1}{2}$	2	7
1	8	$1\frac{1}{9}$	$2\frac{1}{4}$	1	$2\frac{1}{2}$	2	$5\frac{3}{4}$
1	6	1	2	1	0	2	0
1	$1\frac{1}{2}$	$0\frac{3}{4}$	$1\frac{1}{2}$	0	$15\frac{3}{4}$	1	$10\frac{1}{2}$
1	0	$0\frac{2}{3}$	$1\frac{1}{3}$	0	14	1	7
0	9	$0\frac{1}{2}$	1	0	$10\frac{1}{2}$	1	0
0	6	$0\frac{1}{3}$	$0\frac{2}{3}$	0	7	0	14
0	$4\frac{1}{2}$	$0\frac{1}{4}$	$0\frac{1}{2}$	0	$5\frac{1}{4}$	0	$10\frac{1}{2}$
0	3	$0\frac{1}{6}$	$0\frac{1}{3}$	0	$3\frac{1}{2}$	0	7

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EXPLANATION OF TABLE LXVIII.

In the first column towards the left hand, you have the thicknesses of the walls marked in feet and inches; in the second and third the number of standard stone and brick walls reduced to standard; and in the fourth and fifth columns, the perches contained in 21 superficial feet, or one perch of such thicknesses as are prefixed opposite.

Example.

By having the thicknesses of your wall in stone or brick, examine the table in feet and inches, opposite you have the quantity of reduced walls, which, multiplied by the superficial of perches and feet on face of wall.

	P.	F.
For instance, a wall 160 feet long, 14 feet high, contains (superficial)	106	14
This wall of stone to be 2 feet 3 inches thick, which is 1½ works	53	7
A wall of the above dimentions contains..	160	0

In like manner, if 2 feet 3 inches of brick, double the number of stone perches.

TABLE LXIX.

Shewing the number of Bricks required to perform any number of superficial feet, from one to 25,000, & from one half to 3 bricks thick.

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
1	5	11	16	22	27	33
2	11	22	33	44	55	66
3	16	33	49	66	82	99
4	22	44	66	88	110	132
5	27	55	82	110	137	164
6	33	66	99	132	165	198

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
7	38	77	115	154	193	231
8	44	88	132	176	220	264
9	49	99	148	198	248	297
10	55	110	165	220	273	328
11	60	121	181	242	303	363
12	66	132	198	264	330	396
13	71	143	215	286	358	429
14	77	154	231	308	386	463
15	82	165	248	330	413	495
16	88	176	264	352	441	529
17	93	187	281	375	468	561
18	99	198	297	397	496	595
19	104	209	314	419	523	627
20	110	220	330	441	551	661
21	115	231	347	463	579	694
22	121	242	363	485	606	727
23	126	253	380	507	634	760
24	132	264	397	529	661	793
25	137	275	413	551	689	826
26	143	286	430	573	717	860
27	148	297	446	595	744	892
28	154	308	463	617	771	925
29	159	319	479	639	799	958
30	165	330	496	661	826	991
31	170	341	512	683	854	1024
32	176	352	529	705	882	1058
33	181	363	545	727	909	1090
34	187	375	562	750	937	1124
35	193	386	579	772	964	1157
36	198	397	595	794	992	1190
37	204	408	612	816	1019	1223
38	209	419	628	838	1047	1256
39	215	430	645	860	1075	1290
40	220	448	661	882	1102	1322
41	226	459	678	904	1130	1356
42	231	470	694	926	1157	1388
43	237	481	711	948	1185	1412
44	242	492	727	970	1212	1454
45	247	503	744	992	1240	1487
46	252	514	761	1014	1268	1520
47	258	525	777	1038	1295	1553

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
48	263	536	794	1058	1323	1586
49	269	547	810	1080	1350	1619
50	274	558	827	1102	1378	1652
51	280	569	843	1125	1405	1685
52	285	580	860	1147	1433	1718
53	291	591	878	1169	1461	1752
54	296	602	893	1191	1488	1784
55	302	613	909	1213	1516	1818
56	307	624	926	1235	1543	1850
57	313	635	943	1257	1571	1884
58	318	646	959	1279	1598	1916
59	324	657	976	1301	1625	1949
60	329	668	992	1323	1653	1912
61	335	679	1009	1345	1680	2015
62	340	696	1025	1367	1709	2049
63	346	701	1042	1389	1736	2082
64	351	712	1058	1411	1764	2115
65	357	723	1075	1433	1791	2148
66	362	734	1091	1455	1819	2181
67	368	745	1108	1477	1847	2215
68	373	756	1124	1500	1874	2247
69	379	768	1141	1522	1902	2281
70	384	779	1158	1544	1929	2313
71	390	790	1174	1566	1957	2347
72	395	801	1191	1588	1985	2380
73	401	812	1207	1610	2012	2413
74	406	823	1224	1632	2040	2446
75	412	834	1240	1654	2068	2480
76	417	845	1257	1676	2096	2513
77	423	856	1273	1698	2124	2547
78	428	867	1290	1720	2152	2580
79	434	878	1306	1742	2180	2614
80	439	889	1323	1764	2207	2646
81	445	900	1340	1786	2235	2680
82	450	911	1356	1808	2262	2712
83	456	922	1373	1830	2290	2746
84	461	933	1380	1852	2317	2778
85	467	944	1406	1875	2345	2812
86	473	955	1422	1897	2373	2846
87	478	966	1439	1919	2400	2878
88	484	977	1455	1941	2428	2912

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
89	482	988	1472	1963	2455	2944
90	495	999	1488	1985	2483	2978
91	500	1010	1505	2007	2510	3010
92	506	1021	1522	2029	2538	3044
93	511	1032	1538	2051	2566	3077
94	517	1043	1555	2073	2593	3110
95	522	1053	1571	2095	2621	3143
96	528	1065	1588	2117	2648	3176
97	533	1076	1614	2139	2676	3209
98	538	1087	1621	2161	2703	3241
99	543	1098	1637	2183	2731	3274
100	549	1109	1654	2205	2759	3308
200	1098	2219	3309	4411	5518	6616
300	1647	3329	4962	6616	8377	10024
400	2196	3438	6616	8822	11036	13232
500	2746	5548	8270	11028	13895	16641
600	3295	6658	9924	13234	16754	20049
700	3844	7767	11578	15440	19413	23357
800	4393	7877	13232	17646	22172	26565
900	4942	8986	14887	19851	25131	30083
1000	5492	10096	16541	22057	27790	33282
2000	10984	20193	33082	44114	55580	66564
3000	16476	30290	49623	66171	83370	99846
4000	21968	40387	66164	88228	111160	133128
5000	27461	50484	82704	110285	138950	166410
6000	32953	60580	99247	132342	166740	199792
7000	38445	70677	115788	154399	194530	233074
8000	43937	80774	132339	176456	222320	266256
9000	49429	90871	148870	198513	250110	309538
10000	54922	100968	165411	220570	277900	332820
11000	60414	111065	181952	242627	305690	366102
12000	65906	121161	198494	264684	333480	399384
13000	71398	131258	215035	286741	361270	432666
14000	76890	141355	231576	308799	387654	464544
15000	81383	151452	248117	330856	412239	493622
16000	86875	161549	264658	352913	439788	526663
17000	92367	171646	281199	374970	467337	559704
18000	97859	181742	297741	397027	494886	592745
19000	103352	191839	314282	419084	522436	625788

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
48	263	536	794	1058	1323	1586
49	269	547	810	1080	1350	1619
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57	313	635	943	1257	1571	1884
58	318	646	959	1279	1598	1916
59	324	657	976	1301	1625	1949
60	329	668	992	1323	1658	1912
61	335	679	1009	1345	1680	2015
62	340	696	1025	1367	1709	2049
63	346	701	1042	1389	1736	2082
64	351	712	1058	1411	1764	2115
65	357	723	1075	1433	1791	2148
66	362	734	1091	1455	1819	2181
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71	390	790	1174	1566	1957	2347
72	395	801	1191	1588	1985	2380
73	401	812	1207	1610	2012	2413
74	406	823	1224	1632	2040	2446
75	412	834	1240	1654	2068	2480
76	417	845	1257	1676	2096	2513
77	423	856	1273	1698	2124	2547
78	428	867	1290	1720	2152	2580
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80	439	889	1323	1764	2207	2646
81	445	900	1340	1786	2235	2680
82	450	911	1356	1808	2262	2712
83	456	922	1373	1830	2290	2746
84	461	933	1380	1852	2317	2778
85	467	944	1406	1875	2345	2812
86	473	955	1422	1897	2373	2846
87	478	966	1439	1919	2400	2878
88	484	977	1455	1941	2428	2912

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
89	482	988	1472	1963	2455	2944
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91	500	1010	1505	2007	2510	3010
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93	511	1032	1538	2051	2566	3077
94	517	1043	1555	2073	2593	3110
95	522	1053	1571	2095	2621	3143
96	528	1065	1588	2117	2648	3176
97	533	1076	1614	2139	2676	3209
98	538	1087	1621	2161	2703	3241
99	543	1098	1637	2183	2731	3274
100	549	1109	1654	2205	2759	3308
200	1098	2219	3309	4411	5518	6616
300	1647	3329	4962	6616	8377	10024
400	2196	3438	6616	8822	11036	13232
500	2746	5548	8270	11028	13895	16641
600	3295	6658	9924	13234	16754	20049
700	3844	7767	11578	15440	19413	23357
800	4393	7877	13232	17646	22172	26565
900	4942	8986	14887	19851	25131	30083
1000	5492	10096	16541	22057	27790	33282
2000	10984	20193	33082	44114	55580	66564
3000	16476	30290	49623	66171	83370	99846
4000	21968	40387	66164	88228	111160	133128
5000	27461	50484	82704	110285	138950	166410
6000	32953	60580	99247	132342	166740	199792
7000	38445	70677	115788	154399	194530	233074
8000	43937	80774	132339	176456	222320	266256
9000	49429	90871	148870	198513	250110	309538
10000	54922	100968	165411	220570	277900	332820
11000	60414	111065	181952	242627	305690	366102
12000	65906	121161	198494	264684	333480	399384
13000	71398	131258	215035	286741	361270	432666
14000	76890	141355	231576	308799	387654	464544
15000	81383	151452	248117	330856	412239	493622
16000	86875	161549	264658	352913	439788	526663
17000	92367	171646	281199	374970	467337	559704
18000	97859	181742	297741	397027	494886	592745
19000	103352	191839	314282	419084	522436	625788

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Table LXIX. *continued.*

Superf. feet.	½ brick thick.	1 brick thick.	1½ brick thick.	2 bricks thick.	2½ bricks thick.	3 bricks thick.
20000	108845	201936	330824	441141	549986	658841
21000	114337	212033	347365	463198	577535	691872
22000	119829	220130	363906	485255	605084	724913
23000	124321	232227	380447	507312	621633	755954
24000	129813	242323	396989	529639	659182	788995
25000	134306	252420	413530	551426	685732	820038

EXPLANATION.

This Table readily shews how many bricks are sufficient to build a piece of work, containing any number of feet or thickness, from 1 to 25,000 superficial feet; and from half a brick thick, to three bricks thick, and consequently (by addition only) to any greater thickness required.

Example I.

How many bricks will build a wall 75 feet in length, 8 feet in height, and a brick and a half thick. *First*, multiply 75, the length, by 8, the heighth, and the product is 600 feet, the superficial contents of said wall in feet. *Second*, seek in the first column of the Table for 600 feet, against which, under 1½ brick at top, is 9924, the number of bricks required, at 1½ brick thick.

Example II.

How many bricks are required to build a piece of work 100 feet long, 15 feet high, and 2 bricks and a half thick—

100 feet long by
15 feet high.

500
100

Contents 1500 superficial feet.

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But, whereas this number cannot be found all at once in the Table, you must take it at twice, thus; seek, as before directed, for the nearest even number in the first column of the Table, which you will find to be 1000; the number opposite, under 2½ bricks, you will find to be 27790; then look back in the column for 500, the number yet wanting, and you will find opposite in the same column 13895, which being added thus:

1000 feet at 2½ bricks thick, is..	27790
500 ditto, is	13895
1500 feet, at 2½ bricks thick, is	41685 as required.

Further examples would be unnecessary.

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TABLE LXX.

Explains the value of one perch of rough Mason Work, with the subsequent charges thereon, Materials fluctuating.

Stones per Ton, allowing 2¼ loads to one Ton.		Stones per load 7¼ Cwt. each, & 5 loads to 1 perch of work.		Value of stones to 1 perch of work.		Prime cost of materials to one perch of work.		Value of materials and workmanship to ditto.		Scaffolding waste, incidental matters, and profit.		Total value for one perch of work.	
s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
1	2	0	5	2	1	Lime and sand for mortar, 2*s.* 6*d.* to be added.		6	9	0	7	7	4
1	4	0	6	2	6			7	2	0	7	7	9
1	7	0	7	2	11			7	7	0	8	8	3
1	10	0	8	3	4			8	0	0	8	8	8
2	0	0	9	3	9			8	5	0	9	9	2
2	3	0	10	4	2			8	10	0	9	9	7
2	5	0	11	4	7			9	3	0	10	10	1
2	8	1	0	5	0			9	8	0	10	10	6
2	11	1	1	5	5			10	1	0	11	11	0
3	1	1	2	5	10			10	6	0	11	11	5
3	4	1	3	6	3			10	11	1	0	11	11
3	6	1	4	6	8			11	4	1	0	12	4
3	9	1	5	7	1			11	9	1	1	12	10
4	0	1	6	7	6			12	2	1	1	13	3
4	3	1	7	7	11			12	7	1	1	13	8
4	5	1	8	8	4			13	0	1	2	14	2
4	8	1	9	8	9			13	5	1	2	14	7
4	11	1	10	9	2			13	10	1	2	15	0
5	2	1	11	9	7			14	3	1	3	15	6
5	5	2	0	10	0			14	8	1	3	15	11
5	8	2	1	10	5			15	1	1	3	16	4
5	11	2	2	10	10			15	6	1	4	16	10
6	2	2	3	11	3			15	11	1	4	17	3
6	4	2	4	11	8			16	4	1	4	17	8

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The same remarks may be observed as in the Table of brick work.

In massy buildings, for servile purposes, there is generally from 3 to 4 loads of ashlers allowed to the perch; these are charged by the load over the measured quantities, and rated in proportion to the value thereon: viz.—each load of ashlers equal to one load of stones for extra charge.

General Rules for Measuring Masons' Work.

The standard of which is 18 inches thick, for every 1½ inches over, to add one-twelfth, 2 inches one-ninth, 3 inches one-sixth, 4½ inches one-fourth, 6 inches one-third, 9 inches one-half, 12 inches two-thirds, and so on.

As the mason work of buildings in Ireland is constructed with the common sort of grey, or black stones, it is of consequence to the building profession, as well as to every one concerned with improvements, to be satisfied with the charges of such work, as well as with the customs of measuring without which it is impossible to form a judgment of the justness and propriety of builders' charges, which are frequently made by themselves, in a state of profound darkness; of course, they are sometimes right, and as often wrong. In thus roundly declaring my sentiments, it is my sincere wish to avoid giving offence: resolved, however, to perform the task imposed on myself, it is my intention stedfastly to pursue the subject here begun, with frankness and impartiality.

It is the custom, in many places in Ireland, for the masons to include in their measurements all manner of openings, such as doors, windows, chimneys, flues, &c. in the solidity of the walls, as if they were built up; then to measure the reveals, arches, flues, &c. in addition thereto; the quantity of perches contained in the openings often equal one-third, or one-fourth of the whole building: in justification to this system, it is to bobserved, that the price in those places may be somewhat lower than in other

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places, but by no means equivalent with the current prices of the kingdom; it is singular in the eighteenth century, that such a custom should be in existance; the sooner, therefore, it is banished, the better for the public; as it is impossible for the most intelligent man to value masons' work fairly, upon such absurd principles, without the hazard of loss or gain, either to the employer, or the employed.

The most proper and fairest way to measure work of the above description is, to take the work as it is actually built, then to deduct all manner of openings, and to allow a just and reasonable price for it, and the square and splayed quoins, reveals, arches, &c.

To find the number of standard perches of 21 superficial feet, and 18 inches thick, contained in a piece of mason work, the following is the method:—Divide the area by 21, and the quotient will be the answer in perches, and the remainder (if any) feet; if the wall is more or less than 18 inches thick, multiply the area of the wall by the number of inches in thickness, which product divide by 18, and that quotient by 21, will give the perches contained.

Example.

Suppose a wall to be 47 feet long, 24 feet high, and 24 inches thick, how many perches are contained therein?

47 feet long.
24 feet high.

188
94

1128 superficial feet.
24 inches thick.

4512
2256

18) 27072 (21) 1504 (71 perches 13 feet.

Carried forward.

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			P. F.
Brought forward.	18) 27072 (21)	1504 (71	13
	18	147	
	90	34	
	90	21	
	072	13	
	72		

EXPLANATION OF TABLE LXXI.

At the head of the Table you have the thickness of the wall in inches and half inches, for any thickness, from 9 to 54 inches thick, which is three walls in thickness; under several columns, and in the first towards the left hand, you may find the number of perches that any wall contains, upon the superficial thereof, from one to 45 perches, and in several columns; you have the perches in the first column, reduced to the standard of eighteen inches thick, as will best appear by the following examples:

THE USE OF THE TABLE.

Example I.

If a wall, measured upon the superficies thereof, be found to contain 35 perches, and the wall is 27 inches thick, how many perches doth the same wall contain, it being reduced to the standard thickness of 18 inches?

Look for 35 perches (the superficial measure of the wall) in the first column towards the left hand, and find 27 inches (the thickness of the wall) at the head of the Table; and again, 35 in the first column, and under 27 inches on the head, you will find set down 52 perches, 10 feet 6 inches, and so much doth that wall contain.

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And so by the following Table you may find, that superficial of a wall contain 40 perches, and that wall

Inches thick it will contain, being reduced to 18 inches thick, which is the standard,	P.	F.	I.	Conte reduc
9	20	0	0	
13½	30	0	0	
18	40	0	0	
21	46	14	0	
24	53	7	0	
27	60	0	0	
30	66	14	0	
33	73	7	0	
36	80	0	0	
39	86	14	0	
45	100	0	0	
54	120	0	0	

Example II.

If a wall contains 44 perches superficial measure, it be 36 inches thick, how much doth it contain b reduced?

Look for 44 perches in the first column, and agains under 36 inches, you will find set down 88 perches, so much doth that wall contain, it being reduced. And if a wall contains

Perches upon the flat, and be—	Inches thick it will contain, being reduced,	P.	F.	I.
45	18	45	0	0
35	24	46	14	0
25	27	37	10	0
30	36	60	0	0

Example III.

If the superficial contents of a wall be 36 perches, and be 54 inches thick, how many perches doth that wall contain, it being reduced? 36 perches superficial, and to be 54 inches thick, you must multiply by 54 the number of inches, and divide by 18, will give the reduced content which is 108 perches.

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p. 148a

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Example IV.

If the superficial of a wall contains 38 perches, and is 72 inches thick, how much doth the wall contain, it being reduced?

In the Table at the head thereof, you cannot find 72 inches, but may find 54 and 18 inches thick, which added together make 72 inches; then, by the Table, 38 perches by 54 inches thick, reduced is ..... 114 perches.

38 perches by 18 reduced, is 38

38 perches reduced, is 152

Therefore, these examples, I presume, will be sufficient to shew the great use of this Table.

It may not be amiss for the reader to peruse the following remarks, as the work is intended to answer rod as well as perch measurement; the rod measure being the standard in England, which is 16½ feet square, and 1½ bricks in thickness, containing 272 superficial feet, 3 inches: add one-half to this in reducing to one brick thick, which is 136 feet, 1 inch and 6 parts; total reduced to 9 inches, or one brick thick, is 408 feet, 4 inches and 6 parts, divided by 21, shews that one rod contains 19 perches, 9 feet statute, agreeable to the corporation rules for bricklayers' work, in the city of Dublin. To prove the work in cube measurement, one rod contains 317 feet, 7½ inches; one perch contains 15 feet, 9 inches. The rod measurement being 1½ brick thick, allowing half an inch for mortar, namely, 9 and 4½ inches, is 13½ inches, and one-half inch for mortar, total 14 inches; this one-half inch is much disputed, whether the contractor has or has not a right to, namely, 9 and 4½ inches being only 13½ inches, and 14 inches are generally allowed.—*See the Corporation Rules.*

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TABLE LXXII.

An Estimate for Walling-in Ten Irish Acres of ground—Foundation and outside built with stone, inside lined with brick, and the figure a Geometrical Square.

No. of times.	Length of wall. F.	I.	by	Heighth of wall. F.	I.	by	Breadth of wall. F.	I.		Contents reduced. P.	F.				
4	840	0	—	2	4	—	3	0	First Foundation.....	746	14				
4	840	0	—	3	0	—	2	3	Second ditto	720	0				
4	840	0	—	14	0	—	1	1½	Superstructure.....	1680	0				
									Total stone work	3146	14	at 8*s.* per perch, amounts to	1258	13	4
4	840	0	—	14	0	—	0	6	Brick lining.....	1493	7	— 10*s.* per ditto	746	13	4
8	840	0	—	..	..	—	..	..	Double ceiling course brick on edge.....	..	6720	— 3*d.* per foot	84	0	0
4	840	0	—	..	..	—	..	..	Broad areas coping, brick on edge, including blocking on ditto	..	3360	— 6*d.* ditto	84	0	0
												Total amount if Irish measure.....	2173	6	8

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Table LXXII. *continued.*

Note.—If required to have English measure, the proportion is as 11 to 14; therefore, multiply by 11 and divide by 14, shews the amount of a wall of the same heighth and thickness to ten English acres; the square on each side as 660 is to 840, the value thereof is £1693.

Again, say for the value of One Irish Acre—the figure a Geometrical Square.

No. of times.	Length of wall.			Heighth of wall.			Breadth of wall,				Contents reduced.				
	F.	I.	by	F.	I.	by	F.	I.			P.	F.			
4	266	0	..	2	4	—	3	0		First foundation.....	236	9			
4	266	0	—	3	0	—	2	3		Second ditto	228	0			
4	266	0	—	14	0	—	1	1½		Superstructure.....	532	0			
														l.	*s.* *d.*
										Total stone work	996	9	at 8*s.* per	398	11 5
4	266	0	—	14	0	—	0	6		Brick lining	472	18	— 10*s.* ditto	236	8 6
8	266	0	—	..	..	—	..	..		Double ceiling course on edge.....	..	2128	— 3*d.* ditto	26	12 0
4	266	0	—	..	..	—	..	..		Broad arras coping, brick on edge, including blocking on ditto	..	1064	— 6*d.* ditto.....	26	12 0
													Total amount for one Irish acre.....	688	3 11

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Note.—One foot lineal of such a wall as the above, will cost 12*s.* 11*d.* agreeable to the prices laid down, which is taken from the fluctuating tables on stone and brick work.

Value of One Perch of Stone Work— Stones rated at 1*s.* 10*d. per ton, or* 8*d. per load.*

	s.	*d.*
Stones.....	3	4
Mortar	2	6
Workmanship	2	2
Nett value.....	8	0

Note.—That for every penny advance per load, add 5*d.* per perch to the work.

Value for One Perch of Brick Work—Bricks at 1*l.* 1*s.* 9*d. per thousand.*

	s.	*d.*
Bricks.....	5	6
Mortar	2	6
Workmanship.....	2	4
Nett value	10	4

Note.—For every 2*s.* 9*d.* advance per thousand, add 6*d.* per perch to the work.

RULES AND REGULATIONS.

The following Rules and Regulations have been taken into consideration, and agreed upon by the Corporation of Bricklayers and Plaisterers unanimously.— Post-Hall, May 30th, 1796.

I.—That 9 inches be the standard thickness of brick walls, and 18 inch stone walls; that 4 and 3 inch walls be returned separate, and all stone walls under 18 inches returned as if the standard, in workmanship only.

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II.—All opes of fire-places and flues, shall be allowed work only; and all opes five feet and under, full ope allowed, and if more, only five feet to be allowed.

III.—All rough hammered quoins, jambs or piers, be measured by superficial foot.

IV.—All splayed jambs and cant quoins be measured by the lineal foot.

V.—All chimney shafts over the wall-plate, be measured by the foot lineal, same as retopping.

VI.—That in flagging the bottom of sewers, there shall be six inches allowed for going under the walls, and in covering six inches on each wall, and one-third of top flagging allowed for counter flagging.

VII.—That reveals to doors, windows, &c. be allowed lineal foot.

VIII.—That for every foot in heighth on the superficial face of punched and hammered stone work, six inches to be added for beds to the quarry man.

IX.—That all brick pots on chimnies, be measured as brick topping, and an extra separate charge made on the foot for circular work, and plaistering.

X.—All sewer vaulting, one half for centering as the vault shall measure, and all groin vault allow as much for centering as the arch shall measure.

XI.—Circular nine inch work, as one and half work, (work only) all walls exceeding nine inches, half work on each face; circular stone walls of all thicknesses, be allowed half-work on hammered face.

XII.—All barge courses and coping courses on rough walls, measured by lineal foot.

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XIII.—In work only, the bricklayers have not a right to stop putlock holes, or make good under window stools.

XIV.—In work only, the bricklayers have not a right to find scaffolding; in case he does, he is to be allowed an extra price for scaffolding on every perch of work.

XV.—That no stone walls at either sides, has a right to be dashed at the expense of the workman.

XVI.—That the mortar coping on rough walls be returned by the running foot.

XVII.—That all pointing, on new or old work, be charged by the superficial foot.

XVIII.—All battering walls, be allowed work and half, where the battering exceeds an inch to a foot.

XIX.—That all small opes, or spike holes, be measured as opes of five feet wide. All diamond air holes in hay lofts, to be by the charge.

XX.—That all the walls be taken to top of wall plate for stuff and work, and the deduction of opens, to the bottom of lintel only.

XXI.—All arches exceeding five feet base, and the standard thickness 9 inches, stone arches same way, but standard thickness 18 inches high, 12 inches thick, and classed in the proper places, as scheme, semicircle, eliptic, or otherwise, all of small or less dimentions to be considered as an arch.

XXII.—All centres, with wood centres, the length taken, be returned for moving and fixing, unless found by the bricklayer; where they are then charged as brick centres.

XXIII.—Topping on old walls, not less than 8 feet high, be returned by the lineal foot for the scaffolding, and

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extra labour, and glassing by the superficial foot, where exceeding one foot broad.

XXIV.—All stone quoins be measured by the lineal foot in heighth; and where one or more faces, such quoins shall be returned as hammered stone.

XXV.—All brick or stone piers be girthed as work and half, except they shall measure more by reducing them, in which case add one-half more to girth.

By Order of

THOMAS DOWLING,

CORPORATION GUILD.

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TABLE LXXIII.

AN ESTIMATE

For building and completing a Mansion House, 66 by 56 feet square, 4 story high,

Agreeable to plan and elevation made out for said purpose.

(SEE FRONTISPIECE.)

The annexed dimentions will more fully explain the manner calculated on by scale and compass, with description of work attached to the dimentions given, which will in this, as in any other similar case, be a guide to the young practitioner, how he is to take his admeasurements for the plan proposed; also, if any part of the work is to be added to, or dispensed with.

No. of times.	Length.			Breadth.			Thickn.		Contents.		EXCAVATIONS, AND CARTING AWAY.	Y.	F.
	F.	I.		F.	I.		F.	I.	Y.	F.			
	88	0	by	78	0	by	9	0	2288	0	Gross in house and areas.		
2	113	0	..	4	6	..	3	0	113	0	For extreme walls; viz. front, rere, and flanks.		
	320	0	..	3	6	..	2	0	82	26	Interior ditto.		
	270	0	..	6	0	..	4	6	270	0	Sewer, continued through areas all round.		
3	64	0	..	5	0	..	4	0	142	6	Ditto, through building.		
	750	0	..	4	0	..	4	6	500	0	Probable sinking for exterior sewers, and regulating in adjusting surfaces.		
											TOTAL.	3396	5

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8	10									bricks.	
										SUPERSTRUCTURE OF BASEMENT STORY.	
2	115	0	..	12	0	..	2	9	219	1	Stone in extreme walls.
									523	12¾	*Carried over.*

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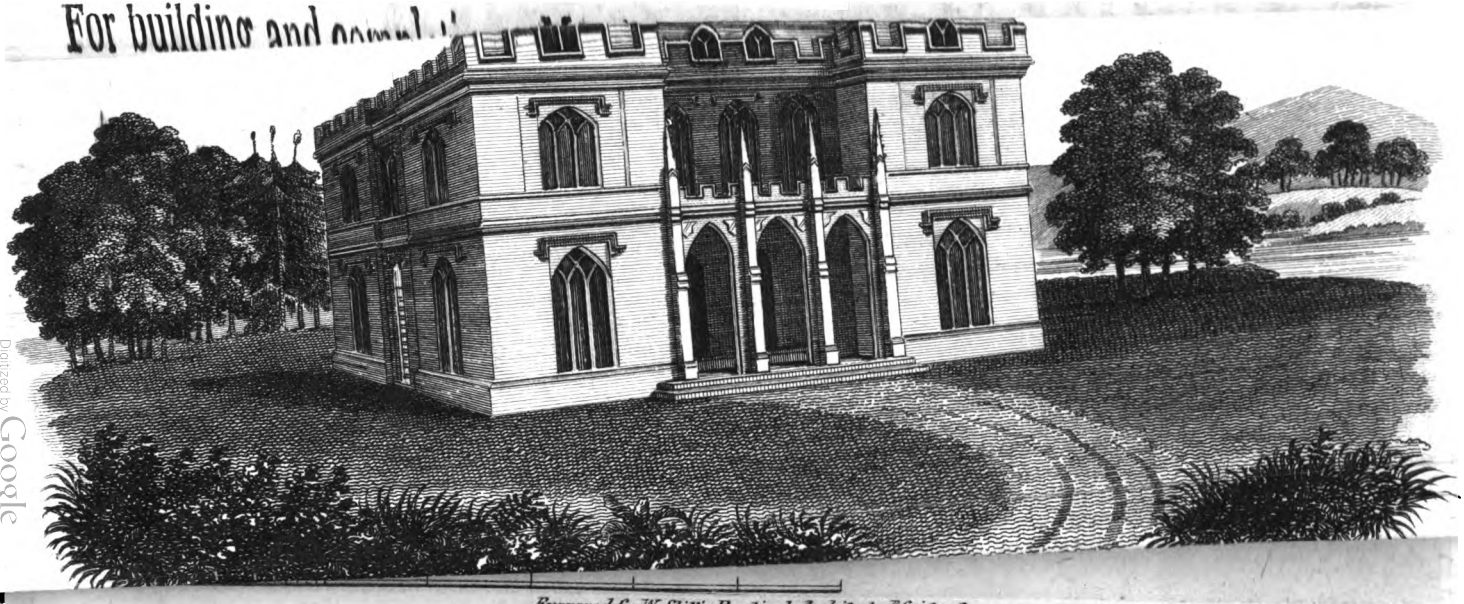
TABLE LXXIII.

AN ESTIMATE

For building and



Engraved for W. Stitt's Practical Architects Assistant.

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.		
	F.	I.		F.	I.		F.	I.	P.	F.	ROUGH STONE MASONRY AND SCAFFOLDING.
2	115	6	by	2	0	by	4	6	66	0	From bottom of foundation to first offset.
	25	0	..	2	0	..	1	6	2	8	Extreme walls, including projection in front and breast of chimney.
	10	6	..	2	0	..	1	6	1	0	Ditto. ditto.
2	58	0	..	2	0	..	3	9	33	3	In foundations to walls of corridore.
2	28	6	..	2	0	..	3	9	16	6	Ditto to walls under hall.
4	17	9	..	2	0	..	3	0	13	11	Ditto, House-keeper's and Steward's rooms.
2	114	0	..	2	6	..	4	0	72	8	From first to second offset, extreme walls.
2	58	6	..	2	6	..	3	6	32	10½	Corridores and under hall.
2	29	6	..	2	6	..	3	6	16	8	Stair cases, House-keeper's and Steward's apartments.
4	18	6	..	2	6	..	2	6	14	14¼	Ditto. ditto.
4	10	6	..	4	6	..	2	0	12	0	Averaged under chimnies.
4	10	6	..	2	6	..	2	0	6	14	Under party walls, stairs, and pantries.
8	18	6	..	2	6	..	1	6	17	13	Dwarf walls under joists.
											The outside faced with cut stone, and lined with bricks.
											SUPERSTRUCTURE OF BASEMENT STORY.
2	115	0	..	12	0	..	2	9	219	1	Stone in extreme walls.
									523	12¾	*Carried over.*

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents			P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
									523	12¾	*Brought over.*		
	175	0	by	12	0	by	2	3	150	0	Corridores and stair cases, including Housekeeper's and Steward's apartments.		
4	72	0	..	12	0	..	1	6	41	3	Ditto, ditto.		
4	10	6	..	12	0	..	1	6	24	0	Ditto, ditto.		
	12	0	..	9	6	..	1	6	21	15	Chimnies.		
											TOTAL.	760	9¾
											DEDUCTIONS OFF STONE WORK.		
12	10	0	..	6	0	..	2	9	62	18	Windows, extreme walls.		
12	3	6	..	5	0	..	1	6	10	0	Recesses.		
5	10	0	..	5	0	..	0	9	5	20	Blank windows.		
2	9	0	..	5	6	..	2	9	8	13½	Door ways.		
13	7	0	..	5	0	..	2	0	28	18¾	Averaged door ways, interior walls.		
4	4	6	..	4	6	..	1	9	4	10½	Opes of fire places.		
											DEDUCT.	120	17¾
											NETT.	639	13 1/12
											BRICK LINING, WALLS SIX INCHES THICK.		
2	110	0	..	12	0	..	0	6	83	17	Extreme walls, gross.		
4	59	0	..	12	0	..	0	6	90	14	Corridores.		
									174	10	*Carried forward.*		

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.			P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
									174	10	*Brought forward.*		
6	19	0	by	12	0	by	0	6	43	9	Stair cases, and party walls.		
4	36	0	..	12	0	..	0	6	45	15	Under hall, including breaks of chimnies.		
											TOTAL.	263	13
											DEDUCTIONS OFF BRICK LINING.		
12	10	0	..	6	6	..	0	6	25	15	Windows.		
2	9	0	..	5	6	..	0	6	3	3	Door ways, extreme walls.		
22	6	6	..	4	0	..	0	6	18	$3\frac{1}{3}$	Ditto interior walls, averaged.		
4	4	0	..	4	0	..	0	6	2	$0\frac{2}{3}$	Opes of fire places.		
											DEDUCT.	49	1
											NETT.	214	12
											STONE WORK IN SUPERSTRUCTURE.		
2	114	0	..	36	0	..	1	$10\frac{1}{2}$	488	12	Three upper stories in heart of extreme walls.	488	12
											DEDUCTIONS.		
33	11	0	..	5	3	..	1	$10\frac{1}{2}$	113	$9\frac{1}{6}$	For windows.		
	14	0	..	8	0	..	1	$10\frac{1}{2}$	6	14	Hall door.		
	15	0	..	8	0	..	1	$10\frac{1}{2}$	7	3	Stair-case windows.		
2	9	0	..	5	0	..	1	$10\frac{1}{2}$	5	$7\frac{1}{2}$	Doors.		
											Charge work only, and deduct.	132	$12\frac{1}{3}$
											NETT.	355	$20\frac{1}{3}$

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Table LXXIII *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.			P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
2	112	0	by	36	0	by	0	6	256	0	Gross brick lining, extreme walls.	256	0
33	11	0	..	6	0	..	0	6	69	3	Deduct windows, and charge work only.		
2	14	0	..	8	0	..	0	6	7	2½	Hall door and stair-case window.		
2	7	8	..	4	6	..	0	6	2	4	Door ways.		
											DEDUCT.	78	9½
											NETT.	177	1½
											STATUTE BRICK WORK COLLECTED, (INTERIOR).		
											Groin vaulting in basement, centres equal to arches.		
											CENTRING.		
	63	0	..	14	0	..	0	9	42	0	Brick over corridore..... 42 perches.		
6	5	0	..	3	6	..	0	9	5	0	Spandrill walls.		
	380	0	..	..	..	..	..	..	..	..	Lineal of groins collected to ditto.		
	31	6	..	28	0	..	1	2	63	0	Apartments under hall..... 63 ditto.		
4	10	0	..	5	6	..	1	2	15	15	Spandrill walls.		
	21	0	..	14	0	..	1	2	21	0	Strong room..... 21 ditto		
4	6	0	..	2	6	..	1	2	4	6	Spandrill walls.		
											Total of centring 126 ditto.		
											NETT.	151	0

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No. of times.	Length.			Breadth.			Thickn.		Contents.		INSIDE BRICK WALLS IN THREE UPPER STORIES.	P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
2	19	6	by	40	0	by	1	6	148	12	Stair cases.		
	60	0	..	16	0	..	1	6	91	9	Centre wall of hall story.		
	60	0	..	16	0	..	2	3	137	3	Side walls of hall.		
	20	0	..	16	0	..	1	6	30	10	Party wall, drawing room, and study.		
	42	0	..	24	0	..	2	3	144	0	Centre wall from flank wall to circular lobbies.		
2	20	0	..	24	0	..	2	3	137	3	Ditto from front to ditto lobbies.		
	17	0	..	24	0	..	0	9	19	9	Between dressing rooms.		
5	50	0	..	9	0	..	1	6	214	6	Projections of Chimnies.		
10	10	0	..	3	0	..	1	6	28	12	Wings to ditto, on party walls.		
											TOTAL.	951	1
											DEDUCTIONS OFF INSIDE WALLS—THREE UPPER FLOORS CHARGED WORK ONLY.		
3	7	4	..	4	0	..	1	6	8	8	Door ways to drawing room and study.		
8	7	0	..	4	0	..	2	3	32	0	Ditto to stair-case, dining room, & 2 floors over.		
6	7	0	..	4	0	..	1	6	16	0	Averaged door ways, centre wall, 2 upper floors. and walls of dressing rooms.		
14	4	6	..	4	6	..	1	9	31	10½	Opes of fire places.		
											DEDUCT.	87	18½
											NETT.	863	3½

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.			P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
	63	0	by	22	0	by	0	4½	66	0	Circular brick in partitions of two lobbies.	66	0
4	3	0	..	3	6	..	0	4½	2	0	Deduct circular windows.		
	10	0	..	10	6	..	0	4½	5	0	Ditto ope principal stairs.		
12	7	0	..	3	4	..	0	4½	13	7	Averaged doors.		
											DEDUCT.	21	0
											NETT.	45	0
	60	0	..	21	0	..	0	4½	60	0	Gross in straight partition. TOTAL.	60	0
12	7	0	..	3	6	..	0	4½	14	0	Deduct doors off ditto. DEDUCT.	14	0
											Charge 35 perches work only. NETT.	46	0
											When the quantities are made up in perches, charge for grouting. Also for ashlars, three load to the perch.—No. of loads 2986½.		
12	15	0	..	..	..	..	..	..	180	0	Splayed jambs to windows, averaged including behind elbows.		
35	23	0	..	..	..	..	..	..	805	0	Ditto, ditto.		
	..	..	..	..	..	..	..	..	155	0	Of champher quoins.		
											TOTAL.	0	1140
											N. B. Pargetting flues, equal to opes of funnels, charge trimmer arches to hearths.		

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No. of times.	Length.			Breadth.			Thickn.		Contents.				
											PIERS UNDER, AND TO SPRINGING OF GROIN VAULTS.	P.	F.
	F.	I.		F.	I.		F.	I.	P.	F.			
	28	0	by	3	0	by	5	0	20	0	Stone foundation under springing to steps of hall-doors.		
	28	0	..	2	0	..	4	6	8	0	Ditto, ditto.		
											TOTAL.	28	0
											SEWERS.		
2	270	0	..	4	0	..	1	$10\frac{1}{2}$	128	12	Stone side walls to sewer, through area.		
2	195	0	..	3	6	..	1	6	65	0	Ditto through the building.		
2	360	0	..	3	6	..	1	6	120	0	Probable sewer required in sundry directions.		
											TOTAL.	313	12
									Y.	F.			
	825	0	..	4	6	..	0	$4\frac{1}{2}$	412	$4\frac{1}{2}$	Flagging on top.		
	825	0	..	2	3	..	0	3	206	$2\frac{1}{2}$	Averaged ditto bottom.		
											TOTAL.	Y. 618	F. 7
	No.								No.		ARCHES COLLECTED.		
4	40		..	..	..	..	..	..	160		Windows and outside doors.		
6	10		..	..	..	..	..	..	60		Doors, basement, and arch ways.		
4	20		..	..	..	..	..	..	80		Ditto principal stories.		
4	18		..	..	..	..	..	..	72		Fire-places.		
											TOTAL.	No. 372	
	..	..	..	..	..	..	..	..	..	..	Three half round do. averaged 6 feet base, 2 feet 3, by 2 do. 3 square, including centres to ditto.		

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents		*Arches continued.*		F.	I.
	F.	I.		F.	I.		F.	I.	P.	F.				
											One Lesser to geometrical (back) stairs.			
											Two Niches formed and arched in hall.			
											Twelve Trimmer arches to hearths.			
10	3	6	by	10	6	by	0	4½	21	0	Party walls in binns, wine cellars.			
12	4	0	..	3	6	..	0	4½	8	0	Arches in ditto.	TOTAL.	29	0
	..	..	..	..	..	..	..	..	4	0	Half ditto centring.			
									F.	I.	STONE CUTTERS' WORK.			
	248	0	..	1	9	..	1	3	537	6	Cube in plinth basement story.		537	6
	242	0	..	2	0	..	..	..	484	0	Superficial drafted, and tooled ditto.			
	247	0	..	9	6	..	..	..	2346	6	Ditto rusticated fronts.			
												TOTAL.	2830	6
											DEDUCTIONS.			
16	6	0	..	3	0	..	..	..	288	0	Nett for opes of windows allowing reveals.			
2	8	0	..	3	0	..	..	..	48	0	Ditto doors.			
												DEDUCT.	336	0
												NETT.	2494	6
9	6	6	..	2	1	..	..	..	121	10	Extra for the work on 18 arches.			
216	2	1	..	1	0	..	..	..	450	0	Averaged the joints of ditto stones.			
												NETT.	450	0

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No. of times.	Length.			Breadth.			Thickn.		Contents.				
	F.	I.		F.	I.		F.	I.	F.	I.		F.	I.
16	17	6	by	0	6	by	....		140	0	Inside of reveals, punched work.		
2	20	6	..	0	6	..	....		20	6	Ditto doors.		
											NETT.	160	6
	..	..	..	..	..	..	..	..	....		No. 214 cheek bonds in reveals.		
	..	..	..	..	..	..	..	..	....		54 Ditto in arches.		
	..	..	..	..	..	..	..	..	....		240 Ditto in ashlars.		
16	4	8	..	2	2	..	....		161	5	Window stools rabbeted and throated.		
2	5	9	..	4	0	..	....		46	0	Door cills.		
											NETT.	207	6
8	250	0	..	....		..	..	..	2000	0	Lineal of joints, champhered each side.		
96	9	6	..	....		..	..	..	912	0	Ditto upright joints.		
											TOTAL.	2912	0
											DEDUCTIONS.		
96	3	0	..	....		..	..	..	288	0	Across windows.		
14	3	0	..	....		..	..	..	42	0	Ditto doors.		
16	7	0	..	....		..	..	..	112	0	Upright joints to windows.		
2	9	0	..	....		..	..	..	18	0	Ditto doors.		
											DEDUCT.	460	0
											NETT.	2454	0

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.		CUBE MEASUREMENT.	F.	I.
	F.	I.		F.	I.		F.	I.	F.	I.			
	250	0	by	1	4	by	1	3	416	8	Cube facia course over rustic work.		
	250	0	..	1	1	..	1	0	270	10	Ditto at level of chamber floor.		
	256	0	..	1	3½	..	1	0	330	8	Freeze.		
	240	0	..	2	8	..	1	0	640	0	Parapet and blocking.		
	258	0	..	1	0	..	2	0	516	0	Architrave.		
	266	0	..	1	2	..	2	6	777	6	Cornice.		
	250	0	..	0	6	..	3	4	416	8	Ditto.		
	50	0	..	1	2	..	2	6	105	1	Ditto.		
	54	0	..	0	6	..	3	6	94	6	Ditto.		
4	2	2	..	0	10	..	2	0	14	7	Plinths of four pillasters.		
4	14	0	..	1	8	..	1	9	163	4	Shafts of ditto.		
4	2	2	..	0	10	..	2	0	14	4	Caps ditto.		
											TOTAL.	1800	0
											No. 540, cheeked bonds in arches, and reveals. 1250 ditto in ashlars.		
	236	0	..	1	10	..	....		432	8	Superficial, drafted, and tooled facia over rustic.		
	240	0	..	1	4	..	....		320	0	Ditto at level of chamber floor.		
	240	0	..	28	0	..	....		6888	0	Ditto ashlar fronts, from first facia up to architrave.		
	246	0	..	1	3½	..	....		297	3	Ditto freeze.		
	230	0	..	3	4	..	....		766	8	Ditto including top of parapet.		
1½	20	4	..	3	0	..	....		61	0	Front of pediments tooled.		
											TOTAL.	8765	7
	230	0	..	2	8	..	....		920	0	Pannelled work batter inside.		

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.	Contents.			F.	I.
										Brought over.—Total tooled work.	8765	7
	F.	I.		F.	I.		F. I.	F.	I.	DEDUCTIONS OFF TOOLED-WORK.		
35	7	8	by	3	0	by	....	805	0	Windows.		
	12	0	..	5	0	..	....	60	0	Ditto.		
	10	0	..	3	6	..	....	35	0	Ditto.		
	9	2	..	4	4	..	....	39	8	Ditto hall door.		
	2	8	..	4	0	..	....	10	8	Ditto, arch over.		
4	15	5	..	1	7	..	....	27	7	Pillasters.		
										DEDUCT.	1048	0
										NETT.	7717	7
										ADD EXTRA.		
17½	6	6	..	2	0	..	....	227	6	For front of 35 arches.		
2	10	0	..	2	0	..	....	40	0	Ditto circular to hall door, and stair-case window.		
	7	6	..	2	0	..	....	15	0	Ditto, ditto.		
1½	22	0	..	0	6	..	....	16	6	Ditto soffits.		
	20	0	..	0	10	..	....	25	0	Circular reveals punched to arches.		
	54	0	..	0	8	..	....	36	0	Ditto on jambs.		
										ADD.	360	0
										TOTAL.	8077	7
40	2	2	..	0	9	..	....	65	0	Averaged arch joints.		
312	2	0	..	0	9	..	....	468	0	Ditto, ditto.		
										TOTAL.	533	0

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Thickn.	Contents.	*Stone-cutters' Work continued.*	F.	I.
	F. I.		F. I.		F. I.	F. I.			
24	1 8	by	1 0	by	....	40 0	Superficial beds in four pillasters to front.		
16	2 4	..	1 0	..	....	37 4	Ditto bases and capitals.		
							TOTAL.	77	4
4	4 10	..	2 6	..	....	48 4	Sunk and tooled work on ditto.		
4	4 7	..	2 3	..	....	41 3	Ditto, ditto.		
							TOTAL.	89	7
4	4 6	..	2 4	..	....	21 0	Ditto tooled, (not sunk.)		
4	3 2	..	1 2	..	....	13 6	Molded bases.		
4	2 0	..	0 9	..	....	6 0	Ditto capitals, including abacus.		
							TOTAL.	19	6
4	1 5	..	0 4½	..	....	5 8	Run of carved ove and bead.		
4	2 3	..	0 2	..	....	9 0	Ditto plain astragal neck molding.		
							No. 8, volutes seven inches diameter in each. Cramps, dowels, and lead.		
	240 0	..	1 5	..	....	340 0	Molded architrave collected round building.		
	230 0	..	3 0	..	....	690 0	Horizontal modillion ionic cornice.		
	27 0	..	2 4	..	....	62 9	Ditto stool to pediment.		
							TOTAL.	752	9
	28 0	..	3 0	..	....	84 0	Ditto raking the modillions so wrought as plumb when set.		

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No. of times.	Length.			Breadth.			Thickn.		Contents.			F.	I.
	F.	I.		F	I.		F.	I.	F.	I.	*Stone-cutters' Work continued.*		
	20	0	by	1	0	by	....		20	0	Resunk top bed in raising joints on stool of pediment.		
	18	0	..	2	8	..	....		48	0	Ditto on the pediment		
	228	0	..	0	5	..	....		95	0	Ditto parapet. TOTAL.	523	0
	210	0	..	....		..	....		....		Run of throated string, to correspond with window stools principal stories.		
36	4	6	..	2	2	..	....		351	0	Rabbeted and throated stools ditto.		
	5	6	..	2	2	..	....		11	11	Ditto, ditto.		
	6	6	..	3	8	..	....		23	10	Step to hall-door.		
											TOTAL.	386	9
											Two rabbets in ditto to reveals.		
											GEOMETRICAL PORTLAND STAIRS.		
72	3	7	..	1	3	..	0	$7\frac{1}{2}$	175	9	Cube in steps.		
3	7	6	..	7	0	..	0	5	65	7	Ditto lobbies at entrance to apartments.		
3	7	6	..	3	8	..	0	5	32	1	Ditto half spaces.		
	12	6	..	3	8	..	0	5	20	5	Gallery (passage) head of kitchen stairs to hall.		
											TOTAL.	293	10
											SUPERFICIAL WORK.		
72	3	1	..	3	0	..	....		666	0	Steps not including quoin ends.		
											Carried over.		

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No. of times.	Length.			Breadth.			Thickn.		Contents		*Stone-cutters' Work continued.*	F.	I.
	F.	I.		F.	I.		F.	I.	F.	I.			
									666	0	*Brought over.*		
72	1	1	by	0	6	by	....		39	0	Quoin ends.		
6	6	0	..	6	8	..	....		240	0	For three lobbies entrance to apartments.		
6	6	0	..	3	4	..	....		120	0	Ditto half-paces, including edges.		
2	65	0	..	0	4	..	....		43	4	Joints.		
											TOTAL.	1108	4
	65	0	..	....		..	....		....		Run, double jogglers to ditto.		
											No. 172 mortices for ballusters and puncing.		
											(LIME-STONE) GEOMETRICAL STEPS, AND LANDING TO HALL DOOR.		
2	5	0	..	1	10	..	0	8	12	2	Cube in two stones for volutes.		
	17	0	..	1	6	..	0	8	17	0	Remainder of first step.		
8	13	0	..	1	5	..	0	7½	92	1	Averaged remainder of steps.		
	11	0	..	6	0	..	0	6	33	0	Ditto landing.		
											TOTAL.	154	3
											SUPERFICIAL WORKS.		
2	5	0	..	0	7	..	....		8	9	Circular end to first step, one and half work.		
	24	0	..	2	3	..	....		54	0	Straight ditto tooled.		
8	12	0	..	2	0	..	....		192	0	Front of steps tooled, and top punched.		
									254	9	*Carried forward.*		

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.		Contents.		*Stone-cutters' Work continued.*	F.	I.
	F.	I.		F.	I.		F.	I.	F.	I.			
									254	9	*Brought forward.*		
8	12	0	by	1	5	by	....		204	0	Circular soffits, one and half work.		
2	10	6	..	5	0	..	....		105	0	Top and soffit to geometrical landing.		
2	6	0	..	0	5	..	....		5	0	Quoin ends to ditto.		
2	15	0	..	0	7½	..	....		28	1½	Circular ditto to steps.		
											TOTAL.	596	10½
											No. 16, cartouces on quoin ends.		
											2, volutes,		
2	36	0	..	0	5	..	....		30	0	Joints in landings.		
									36	0	Lineal he and she joggles and pouring.		
											No. 78, holes cut for ballusters.		
											2, larger ditto.		
											Centring, see carpenters' work.		
											Foundation masonry.		
											Rails ironmongery.		
											No. 6, Guard posts.		
											CUBE MEASUREMENT OF CHIMNIES, COMMENCING AT ROOF OVER BRICK WORK.		
5	16	0	..	3	6	..	1	0	280	0	Bases.		
5	16	0	..	1	6	..	1	0	120	0	Cornices.		
											NETT.	400	0

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Thickn.	Contents.	SUPERFICIAL WORK OUTSIDE OF CHIMNIES.	F.	I.
	F.	I.	F.	I.	F. I.	F. I.			
5	19	4	2	0	....	193 4	Plinth drafted and tooled work.		
5	16	4	4	0	....	326 8	Pedestal and caps ditto.		
							NETT.	520	0
10	4	4	2	0	....	86 8	Molded bases.		
5	19	4	3	0	....	290 0	Cornices.		
5	19	4	2	8	....	257 9	Ditto.		
							NETT.	634	5
10	1	8	1	0	....	173 4	Beds to base and cornice.		
150	7	10	0	4	....	391 8	Ditto pedestal.		
10	5	9	1	8	....	95 10	Ditto caps.		
							NETT.	660	10
10	6	6	4	6	....	292 6	Inside of flues base and cornice.		
10	5	9	3	4	....	191 8	Ditto pedestals.		
40	1	0	7	10	....	313 4	Ditto ends of flues.		
40	0	4	7	10	....	104 5	Ditto joints.		
							NETT.	901	11
20	4	0	0	6	....	40 0	Resunk flues in caps.		
						70 0	Groving for and letting in chain bars, including pouring.		
							No. 240, cramps and dowels.		

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No. of times.	Length.			Breadth.			Thickn.		Contents.			F.	I.
	F.	I.		F.	I.		F.	I.	F.	I.	CUT STONE IN AREAS, FUNCHED WORK.		
	256	0	by	2	10	by	....		725	4	Superficial curbstone next plinth, four inches thick.		
	270	0	..	1	9	..	....		472	6	Channel course over sewer to convey water.		
									260	0	Lineal cutting water course in ditto. TOTAL.	1197	10
											No. 8 basons dished and holed.		
											FLAGGING BASEMENT STORY.		
2	31	0	..	19	0	..	....		1178	0	Corridore and apartments under hall and parlour.		
	19	0	..	16	0	..	....		306	0	Back stairs and under principal ditto.		
	19	0	..	18	0	..	....		342	0	Strong room and store off housekeeper's room.	Y.	F.
									1826	0	Collected. TOATL.	202	8
											Statuary arms in pediment, (Robinsons.)		
											CHIMNEY-PIECES.		
											Four neat black marble in basement, with facings and hearths.		
											Three statuary marble, in principal rooms.		
											One ditto breakfast parlour.		
											Two ornaments and marble slabs to niches in hall.		
											Five veined marble chimney-pieces with facings, and hearths in chambers.		
											Five black marble in garret story.		

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No. of times.	Length.			Breadth.			Thickn.		Contents		CARPENTER'S WORK.	F.	I.
	F.	I.		F.	I.		F.	I.	F.	I.			
10	240	0	by	....		by	....		4800	0	Lintels, ties, and bond timber collected in extreme walls, bottom to top 12 by 3, reduced to 6 by 3.		
22	60	0	..	....		..	....		1980	0	Ditto interior walls. principal stories 9 by 3, ditto.		
4	230	0	..	....		..	....		1380	0	Ditto in basement story, and cources to receive grounds for base and subbase, 9 by 3, ditto.		
											TOTAL.	8160	0
									S.	F.	JOISTS AND FLOORING COLLECTED, (BASEMENT.)	SQ.	F.
2	20	0	..	19	6	..	....		7	80	Ground joists, steward's and housekeeper's apartments, scantling of joists 6 by 3, boarding $1\frac{1}{4}$ inch thick, straight joint.		
	14	0	..	19	6	..	....		2	73	Ditto under the breakfast parlour in butler's room.		
											TOTAL.	10	53
4	9	0	..	1	6	..	....		0	54	Deduct breasts of chimnies.		
4	4	0	..	2	0	..	....		0	32	Ditto hearths.		
											DEDUCT.	0	86
											NETT.	9	67
									0	560	Lineal of skirting in basement story. Four hearths framed to ditto.		

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.	Contents.			S.	F.
	F.	I.		F.	I.		F. I.	S.	F.			
										PRINCIPAL STORY.		
4	30	0	by	20	6	by	....	24	60	Averaged joists 12 by 2½, and reduced plank. 1½ inch thick dowelled in hall, dining, drawing room and study.		
	41	0	..	20	0	..	....	2	80	Ditto breakfast parlour, joists 12 by 2½, and 1½ flooring.		
	11	0	..	22	0	..	....	2	20	Ditto principal stair-case, ditto.		
										TOTAL.	29	60
4	9	0	..	1	6	..	....	0	54	Deduct breasts of chimnies.		
4	5	0	..	2	3	..	....	0	45	Ditto hearths. DEDUCT.	0	99
										NETT.	28	61
										BED CHAMBER STORY.		
4	30	0	..	20	6	..	....	24	60	Joists 12 by 2½, and (reduced) plank 1⅛ inch thick dowelled.		
	14	0	..	20	0	..	....	2	80	Ditto chamber over breakfast parlour.		
	11	0	..	8	0	..	....	0	88	Ditto landing at entrance to circular lobby.		
										TOTAL.	28	28
										Deduct for chimney breasts and hearths, as parlour. DEDUCT.	0	99
										NETT.	27	29

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.			Thickn.	Contents.			GARRET STORY.	SQ.	F.
	F.	I.		F.	I.		F. I.	SQ.	F.	I.			
4	30	0	by	20	6	by	....	24	60	0	Joists 11 by 2, and $1\frac{1}{4}$ inch boarding straight joint, and nailed.		
	14	0	..	20	0	..	....	2	80	0	Ditto, ditto.		
	11	0	..	20	0	..	....	2	20	0	Ditto over principal stairs.		
											TOTAL.	29	60
24	30	0	..	....		..	....	0	720	0	Lineal of bridging floors, averaged 12 by $2\frac{1}{4}$ properly keyed.		
8	20	0	..	....		..	....	0	160	0	Ditto, ditto.		
											TOTAL.	0	880
5	9	0	..	1	6	..	....	0	67	6	Deduct breasts of chimnies.		
5	4	0	..	2	0	..	....	0	40	0	Ditto hearths. DEDUCT.	0	$107\frac{1}{2}$
											NETT.	0	$782\frac{1}{2}$
											No. 13 hearths framed and centred to turn arches.		
											8 Mahogany curbs to hearths collected.		
											12 Deal ditto.		
											13 Mahogany saddle cills in door way, averaged 10 superficial feet each.		
											18 Deal ditto.		
								Superf. feet.					
	520	0	..	2	0	..	....	1040			Bracketting, collected for cornices, principal story.		

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No. of times.	Length.		Breadth.		Contents.			ROOFING.	SQ.	F.
	F.	I.	F.	I.	SQ.	F.	I.			
2	62	0	by 25	0	31	0	0	Framed roofing, sufficient scantling for bearing 20 feet clear.		
2	21	0	.. 25	0	10	50	0	Ditto, ditto.		
4	30	0	.. 3	0	3	60	0	Ditto hips and vallies.		
2	16	0	.. 3	0	0	96	0	Ditto vallies to pediment.		
								NETT.	46	6
	180	0	.. 14	0	15	20	0	Ditto ceiling joists, 3 inches square.	15	20
2	13	0	.. 5	0	1	30	0	Waste roof ditto.	1	30
	....		.. ....		0	212	0	Lineal of plate 6 inches by 8, rhomboides figure.	0	212
	60	0	.. 7	0	4	20	0	Circular roofing under dome sash.	4	20
4	15	0	.. ....		0	60	0	Valley beams to inside of roof 8 inches by 4.		
2	16	0	.. ....		0	32	0	Ditto to pediment.		
								NETT.	0	92
4	20	0	.. ....		0	80	0	Hip poles for lead, 2 inches by 3 diameter.		
	....		....		0	148	0	Ridge poles.		
								TOTAL.	0	228
								DEDUCT FOR CHIMNIES.	0	8
								NETT.	0	220

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Contents.			*Carpenters' Work continued.*	sq.	f.
	f.	i.		f.	i.	s. f.	i.			
6	15	6	by	2	6	2 36	6	Plank 1½ inches thick under lead in valley, laid on joists 6 inches by 3. NETT.	2	36½
	225	0	..	4	0	9 0	0	Averaged joists 6 inches by 3, and 2 inch plank, bottom and sides under lead gutters.		
	80	0	..	5	0	4 0	0	Ditto round dome.		
								TOTAL.	13	0
								For gutters where not continued across pediment. DEDUCT.	0	68
								NETT.	12	32
						0 26	0	Lineal very large open gutter, (for lead lining) to convey water to cistern, from inside of roof.		
								TRUSS PARTITIONS.		
8	22	0	..	....		0 176	0	Lineal in beams 12 inches by 5, including oak truss.		
8	22	0	..	....		0 176	0	Ditto 6 inches by 5.		
10	22	0	..	....		0 462	0	King Posts, 4 inches by 5.		
20	22	0	..	....		0 440	0	Story Posts, 12 inches by 2.		
	....		..	....		0 268	0	Lineal circular furring beams, forming lobby, chamber, and garret floors, 9 inches by 12.		
	....		..	....		0 290	0	Angle truss braces to ditto lobbies, 4 inches by 14.		
	....		..	....		0 240	0	Ditto in straight partitions, 6 inches by 6.		
	63	0	..	20	0	12 60	0	Filling Studds, 5 inches by 2, square.		
	....		..	....		6 0	0	Ditto in two circular lobbies. NETT.	18	60

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No. of times.	Length.			Breadth.		Contents.			*Truss Partitions continued.*	SQ.	F.
	F.	I.		F.	I.	SQ.	F.	I.			
									Note. Studding in jambs, where splayed to rooms off the lobbies, are equal to opes of door-ways.		
	60	0	by	70	0	4	20	0	Plain stud partitions collected.		
	210	0	..	6	6	13	65	0	Ditto, the principal scantlings charged separate.		
3	14	0	..	7	0	2	94	0	Ditto all round inside of the exterior walls.		
									NETT.	20	79
									BASEMENT STORY.		
									Twelve scantling rabbeted and molded door frames.		
						Y.	F.		Two lighter ditto.		
12	6	4	..	3	0	48	4		Framed doors, two inches thick.	Y.	F.
2	6	0	..	2	8	5	3		Framed doors, 1½ ditto to closet.		
									TOTAL.	53	7
12	35	0	..	....		0	420		Lineal of broad saddles to jambs ditto.		
									Twelve sash frames, 6 feet 10 inches, by 4 feet in clear, including casings.		
									Five ditto to blank windows.		
12	6	11	..	4	0	0	332		Sashes in real frames.		
5	6	11	..	4	0	0	138⅓		Ditto blank windows		
12	41	0	..	....		0	492		Slips and parting beads.		
12	6	10	..	4	3	58	0¾		Framed shutters 1½ inch thick.		
24	5	8	..	....		22	1		Boards and soffits, ditto.		
12	21	6	..	....		0	258		Of broad plain architraves.		

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Contents.			*Carpenters' Work continued.*	Y.	F.
	F.	I.		F.	I.	Y.	F.	I.			
								No. 80 molded saddles to quoins of chimnies.		
								60 to piers under groin vaulting.		
								140 circular ditto in solid to soffits of groins.		
								Curbs and sundry appendages to benches over cess-pool and sewers.		
								PRINCIPAL STORY.		
								Seventeen sash frames, 8 feet 6 inches by 4 feet, including all casings.		
17	8	6	by	4	0	0	578	0 Sashes in ditto, dowelled, 2½ inch bar.		
17	47	0	..	....		0	799	0 Slips and parting beads.		
								Seventeen pair of pendulum slips.		
								Seventeen ditto foxings.		
								Thirty-four pair foxings let into frames.		
17	8	6	..	4	2	117	0	6 Averaged shutters, 1½ inch, the one side molded and flat pannels, the other side bead and flush, 1¼ work.		
34	8	7	..	2	0	97	0	10 Ditto jamb casings, 1½ work.		
17	7	6	..	2	0	42	4	6 Framed backs and elbows, 1½ ditto.		
17	6	6	..	2	3	41	2	3 Ditto soffits splayed up.		
								NETT.	83	6½

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No. of times.	Length.			Breadth.		Contents.			*Principal Story continued.*
	F.	I.		F.	I.	Y.	F.	I.	
									Thirty-four neat fluted or counter-fluted fans to soffits.
17	17	0	by	....		0	289	0	Planceers and freeing beads.
17	7	6	..	....		0	127	6	Fluting on freeze rail to ditto.
17	7	6	..	....		0	127	6	Plinths inserted in recesses of windows.
17	28	6	..	....		0	484	6	Very neat double-faced architraves, 8 inches wide, moldings grooved in, rabbeted, and laid on second face.
						0	484	6	Grounds to architraves.
									Twenty-one door frames, rabbetted and double plowed for linings.
21	7	6	..	3	8	133	3	4	Framed double-margin doors, $2\frac{1}{4}$ inches thick.
21	38	0	..	0	9	99	6	9	Averaged linings grooved in and nailed to grounds properly prepared, $1\frac{1}{2}$ work.
21	41	9	..	0	7	0	876	9	Double-faced architraves.
									Seventeen mahogany saddle cills in door ways.
						0	876	9	Grounds to architraves.
						0	569	0	Base, rabbeted for plinth, 3 inches by $5\frac{1}{2}$.
						0	569	0	Neat beaded plinth rabbetted on. 8 inches deep.
						0	569	0	Subbase, with very neat capping.
						0	1138	0	Grounds to base and subbase.
						0	569	0	Slips on floor behind plinth.
						0	25	0	Circular base in lobby.

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Table LXXIII. *continued.*

No. of times.	Length.			Breadth.		Contents.		
	F.	I.		F.	I.	Y.	F.	*Carpenters' Work continued.*
						0	25	Plinth in lobby.
						0	25	Subbase.
						0	50	Grounds to ditto.
						0	25	Slips on floor behind plinth.
								Four circular circular-lights, about three feet diameter, clear circular lobby.
10	37	0	by	....		0	370	Staffs to breasts of chimnies, including garrets.
								CHAMBER STORY.
								Fourteen sash frames as in parlour story.
14	8	6	..	4	0	0	476	Sashes in similar manner.
								Five frames to correspond to blank windows.
5	8	6	..	4	0	0	170	Sashes in ditto.
						0	665	Slips, stops, and parting beads collected.
14	8	6	..	4	2	108	1	Framed shutters, as in parlour floor.
28	8	7	..	2	0	93	0	Ditto jamb linings.
14	6	6	..	2	3	44	3	Ditto soffits.
14	7	6	..	2	0	40	7½	Ditto backs and elbows.
14	17	0	..	....		0	238	Planceers and freeing beads.
14	28	6	..	0	8	0	399	Double-faced architraves.
14	28	0	..	0	6	0	372	Grounds to ditto.
14	7	6	..	0	6	0	105	Plinth.

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No. of times.	Length.		Breadth.		Contents.			
	F.	I.		F.	I.	Y.	F.	I.	*Chamber Story continued.*
									Fourteen pair of pendulum slips.
									Fourteen pair of foxings to admit weights.
									Twenty-eight pair of pullies inserted.
									Fourteen pair of fluted fans over shutters.
									GARRET STORY.
									Fourteen sash frames made in a peculiar manner, with spandrills and coach head tops framed into the partition and roof, 4 feet by 4.
14	4	0	by	4	1	0	228	8	Sashes in ditto.
14	32	0	..	....		0	448	0	Slips and stops to ditto.
									Fourteen pair of foxings.
									Twenty-eight pair of pullies let in.
14	4	0	..	4	3	39	6	0	Framed and clamped shutters, $1\frac{1}{2}$ work.
14	17	6	..	1	0	34	0	3	Casings all round, $1\frac{1}{4}$ work.
14	14	6	..	....		0	203	0	Single-faced architraves.
									Twelve door frames, with linings, averaged 8 inches wide.
12	6	4	..	3	0	46	2	6	Framed $1\frac{1}{4}$ inch doors collected.
12	35	0	..	....		0	420	0	Single-faced architraves.
									Twelve saddle (deal) cills in door ways.

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Contents.		*Carpenters' Work continued.*	Y.	F.
	F.	I.		F.	I.	Y. F.			
						0 375	Molded skirtings in door ways, and on stairs.		
						0 30	Ditto on circular lobby.		
							Moldings round five marble chimney-pieces.		
							One sash frame, principal stair-case, in clear, 10 feet by 5, to springing of arch head.		
	10	0	by	5	0	0 50	Superficial sashes in square part of frame.		
	5	0	..	5	0	0 25	Ditto in circular ditto.		
						0 46	Slips, stops, and parting beads.		
						0 15	Circular ditto.		
							One pair foxings to admit weights.		
							Two pair pullies inserted, and 2 pendulum slips.		
	10	0	..	5	3	11 6	Of 1½ inch shutters, front molded and flat, remainder bead and flush.		
2	10	0	..	1	10	8 1	Bead and flush jamb linings.		
	9	0	..	3	0	9 0	Eliptic back framed, and elbows bead and flush.		
6	2	0	..	0	6	0 6	Six inch broad capping and freeing beads.		
	6	0	..	1	0	1 0	Circular, ditto on back, 1½ work. TOTAL.	1	6
						0 26	Of 10 inch pillasters, with caps and bases suitable.		
	7	0	..	2	0	0 14	Sprung bracketting soffit for lath and plaister.		
							One sash frame to back stairs, 7 feet by 3 feet 9 inches, to springing with circular top.		

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No. of times.	Length.		Breadth.		Contents.		*Carpenters' Work continued.*	Y.	F.
	F.	I.	F.	I.	Y.	F.			
	7	0 by	3	9	0	26¼	Sashes in ditto under circular top.		
	3	9 ..	3	9	0	13½	Circular ditto.		
					0	36	Slips, stops, and parting beads.		
					0	12	Ditto circular.		
							One pair foxings to admit weights.		
							Two pair pullies inserted, and 2 pendulum slips.		
	7	0 ..	4	0	6	2	Framed bead and flush shutters.		
2	7	0 ..	1	10	5	6	Ditto jamb linings.		
	7	0 ..	3	0	4	6	Ditto back and elbows. TOTAL.	10	3
					0	22	Of neat 9 inch pillasters, with caps and bases.		
							Scantling rabbeted frame, grooved and screwed to stone jambs for hall door.		
							One pair of mahogany doors to ditto, 9 feet by 5 feet 6 inches square, 3 inches thick, double pannelled.		
							Rabbeting, fitting, hanging, and putting on securities.		
					0	16	Impost moldings, inside and outside.		
	18	6 ..	2	3	7	2½	Framed, bead, and flush linings, with grounds under.		
	19	0	1	0	19	0	Of 12 inch pillasters, finished in first stile.		
	19	0 ..	....		....		Framed grounds to ditto.		

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Table LXXIII. *continued.*

No. of times.	Length.		Breadth.		Contents.		*Carpenters' Work continued.*
	F.	I.	F.	I.	Y.	F.	
							Fan sash, with glass and appendages, 5 feet 4 inches base.
							Suitable trimming to ditto.
							One pair dorick columns, suitable to 14 feet 8 inches story.
							One pair pillasters to correspond.
					0	21	Of beams prepared to receive entablature, in two thicknesses, bolted, containing 36 feet cube.
							One story of principal stairs done in first stile, suitable to 14 feet 8 inches clear heighth of floor, well-hole 10 feet wide, volute, open newel, &c. complete.
							Continued oak rail to 3 stories of geometrical stairs, done in best manner, and screwed to iron plate.
					0	20	Gallery rail to ditto, and principal stairs.
							Horsings to geometrical stairs, from basement to garret.
							Framed & sheeted centring to steps and landing, hall door.
							Centring to cut-stone arch, hall door & 2 circular windows.
							Ditto to arch ways through building.
							Ditto to groin arches basement.
							Putting on locks, hanging windows, and sundries similar.
							No. 12 stock locks, basement story put on.
							14 Mortice locks, two principal floors.
							10 Iron rimmed locks in garrets.

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No. of times.	Length. F.	I.		Breadth. F.	I.	Contents. S.	F.	I.	*Carpenters' Work continued.*		S.	F.
									Three fine locks to wine cellar and outside doors put on.			
									Twenty-four sash lights hung in basement.			
									Sixty-six ditto, two principal floors and stairs.			
									Twenty-eight ditto, garrets.			
									SLATERS' WORK.			
2	63	0	..	27	0	34	2	0	Roofs covered with Bangor ton slates, on counter laths, tiered inside.			
2	22	0	..	27	0	11	88	0	Ditto, ditto.			
2	85	0	..	1	6	2	55	0	Eaves to ditto.			
4	31	0	..	2	0	2	48	0	Ditto on pediment including hips and vallies.			
2	16	6	..	2	0	0	66	0	Ditto vallies to pediment.	TOTAL.	51	59
	24	0	..	1	6	.....			Deduct eave where pediment.	DEDUCT.	0	36
	450	0	..	4	0	18	0	0	Weather slating parapet and opposite.	NETT.	51	23
									PLUMBERS' WORK.			
	225	0	..	4	6	0	1012	6	Superficial of lead collected in gutters of parapets.			
	80	0	..	6	0	0	480	0	Ditto round dome and lobby, averaged 8lbs. to the superficial foot.			
						0	1492	6	*Carried over.*			

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Table LXXIII. *continued.*

No. of times.	Length. F.	I.		Breadth. F.	I.	Contents. F.	I.	*Plumbers' Work continued.*	F.	I.
						1492	6	*Brought over.*		
6	15	0	by	2	6	225	0	Ditto in vallies.		
	220	0	..	1	6	330	0	Ditto on ridge and hip poles, 8lbs. to the foot.		
	26	0	..	3	0	78	0	Ditto in great open gutter, through roof. TOTAL.	2125	6
								2125 feet 6 inches total, being multiplied by 8, will shew the number of pounds, to which add 1806 pounds, the probable quantity required for pouring chain bars, cramps, dowels, stairs, raised joints, flashings to chimnies, and on pediment, which makes 17810 pounds; divide same by 112, will shew the answer to be 159 cwt. 2 lbs.		
18	5	0		5	0	459	0	Averaged on dorman windows, 32 cwt. 14 lbs. total 191 cwt. 16 lbs.		
								GLAZIERS' WORK.		
12	6	7	..	3	9	296	3	Superficial A. glass in basement story.		
5	6	7	..	3	9	123	5	Ditto A. in blank windows.		
14	3	8	..	3	9	192	6	Ditto A. in garrets.		
5	8	2	..	3	9	152	11	Ditto A. in blank windows, chamber stories.		
	8	2	..	3	9	949	4	Ditto crown glass in two principal stories. TOTAL.	765	1
31	18	0	..	10	0	180	0	Superficial patent sash and glass in dome light, ornamented with goloss and frett work.		

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No. of times.	Length.			Breadth.		Contents.		PLAISTERERS' WORK.		Y.	F.
	F.	I.		F.	I.	Y.	F.				
3	58	0	by	48	0	928	0	Gross on counter-floors collected.		928	0
								DEDUCTIONS.			
	30	0	..	20	0	66	6	Where arched to vaults.			
3	18	0	..	10	0	60	0	Ditto.			
3	18	0	..	6	0	36	0	Ditto.			
	10	0	..	10	0	11	1	Ditto.	DEDUCT.	173	7
									NETT.	754	2
	27	0	..	19	6	58	4½	Plain ceilings basement.			
2	18	0	..	19	0	76	0	Ditto.			
	18	0	..	13	6	27	0	Ditto.	TOTAL.	161	4
4	9	0	..	1	6	6	0	Deduct breasts of chimnies	DEDUCT.	6	0
									NETT.	155	4½
6	54	0	..	9	6	342	0	Averaged plain walls basement.			
8	18	0	..	9	6	152	0	Ditto.			
6	27	0	..	9	6	171	0	Ditto.	TOTAL.	663	0
								Note.—The jambs are equal to the opens of doors and windows.			

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Table LXXIII. *continued*

No. of times.	Length. F.	I.		Breadth. F.	I.	Contents. Y.	F.	*Plaisterers' Work continued.*		Y.	F.
1½	60	0	by	10	0	100	0	On brick groin ceiling, corridore, and wine cellar.			
1½	20	0	..	20	0	66	6	Ditto under hall.			
1½	18	0	..	9	0	27	0	Ditto strong room.	NETT.	193	6
						360	0	Of groin angles collected.			
								PRINCIPAL STORY.			
4	58	0	..	14	8	378	0	Floated and coated walls in hard ground.			
4	18	0	..	14	8	117	3	Ditto.			
4	49	0	..	14	8	319	3½	Ditto.			
2	30	0	..	14	8	97	7	Ditto.			
								BED-CHAMBER STORY.			
4	58	0	..	12	0	309	3	Walls floated and coated.			
2	50	0	..	12	0	133	6	Ditto.			
8	18	0	..	12	0	192	0	Ditto.			
4	20	0	..	12	0	106	6	Ditto.			
6	18	0	..	12	0	144	0	Ditto.	TOTAL.	1798	1½

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Table LXXIII. *continued.*

No. of times.	Length. F.	I.		Breadth. F	I.	Contents Y.	F.		Y.	F.
								Total brought forward.	1798	1½
								DEDUCTIONS OFF WALLS, TWO PRINCIPAL STORIES.		
31	11	0	by	5	0	198	4	Windows.		
2	11	0	..	6	0	14	6	Ditto stair-case window and hall door.		
26	7	6	..	4	0	86	6	Ditto doors collected.		
9	4	0	..	4	0	16	0	Ditto fire-places.	DEDUCT.	315 7
									NETT.	1482 3½
								GARRET STORY.		
4	25	0	..	8	0	88	8	Walls floated, coated, and finished white.		
10	18	0	..	8	0	160	0	Ditto.	TOTAL.	248 8
								DEDUCTIONS OFF GARRET STORY.		
8	7	0	..	3	9	23	3	Doors.		
5	4	0	..	3	6	7	7	Fire-places.	DEDUCT.	31 1
								BED CHAMBERS.	NETT.	217 7
8	18	0	..	12	0	192	0	Floated and coated partition on laths, gross.		
6	8	0	..	8	0	44	8	Ditto on jambs to opes of doors and arch-ways from lobby to apartments.		
	60	0	..	12	0	80	0	Circular on truss partition, lobby.		
	60	0	..	8	0	53	3	Ditto on ditto, garret story.		
						370	2	*Carried over.*		

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Table LXXIII. *continued.*

No. of times.	Length. F.	I.		Breadth. F.	I.	Contents. Y.	F.	*Plaisterers' Work continued.*		Y.	F.
						370	2	*Bed chamber and garrets brought over.*			
8	7	0	by	7	0	43	5	Averaged lathed jamb in door ways.			
14	4	0	..	3	0	18	6	Ditto on lathed soffits.			
2	54	0	..	6	10	76	0	Ditto on studding front and rere.			
2	45	0	..	6	10	64	0	Ditto on two flanks.			
8	18	0	..	8	0	128	0	Ditto on truss partitions.	TOTAL.	700	4
								DEDUCTIONS OFF LATHED PARTITIONS.			
12	7	6	..	3	9	37	4½	Door ways to straight work.			
8	7	6	..	3	9	25	0	Ditto circular lobby.			
14	4	0	..	4	0	24	8	Windows in stud work.	DEDUCT.	87	3½
									NETT.	613	0½
								PRINCIPAL STORY, CEILINGS FLOATED AND COATED.			
2	29	3	..	19	6	126	6¼	Drawing room and study.			
	29	0	..	18	0	58	0	Dining parlour.			
	30	0	..	20	0	66	6	Hall and saloon.			
	18	0	..	13	6	27	0	Breakfast parlour.			
	10	0	..	10	0	11	1	Half pace and landing principal stairs.			
						289	4¼	*Carried forward.*			

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No. of times.	Length.			Breadth.		Contents.		*Plaisterers' Work continued.*		Y.	F.
	F.	I.		F.	I.	Y.	F.				
						289	4¼	*Principal story, &c. brought forward.*			
	24	0	by	4	6	12	0	Strings to stairs.			
	18	0	..	10	0	20	0	Great ceiling to principal stairs.			
2	28	0	..	19	6	121	3	Bed chambers, as drawing rooms, &c.			
	29	0	..	18	0	58	0	Ditto.			
	30	0	..	18	0	60	0	Averaged circular ceiling to lobby, and chamber off ditto to front.			
	18	0	..	13	6	27	0	Ditto over breakfast parlour.	TOTAL.	587	7¼
9	9	0	..	1	4	12	0	Deduction in breasts of chimnies.	DEDUCT.	12	0
									NETT.	575	7¼
								GARRET STORY, CEILINGS FLOATED AND COATED.			
2	27	0	..	18	0	108	0	Coved, to rere apartments.			
	30	0	..	18	0	60	0	Ditto front and flanks.			
	22	0	..	18	0	44	0	Ditto.			
	14	0	..	18	0	28	0	Ditto.			
	18	0	..	7	0	14	0	Over back (geometrical) stairs.			
	18	0	..	11	6	23	0	Where cistern (over grand stairs).			
	54	0	..	4	0	24	0	Circular cove to ceiling under dome sash.	TOTAL.	301	0
5	9	0	..	1	4	6	6	Deduction in breasts of chimnies.	DEDUCT.	6	6
									NETT.	294	3

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No. of times.	Length.		Breadth.	Contents.			Y.	F.
	F. I.		F. I.	F.	I.	PLAIN MOLDINGS COLLECTED.		
2	76 0	by	.....	152	0	Lineal (of 6 to 8 inches), housekeeper's and steward's rooms, basement.		
				64	0	Ditto butler's rooms, 5 inches.		
						ENRICHED CORNICES ON WOOD BRACKETING, (LATHED).		
				80	0	Lineal of doric entablature, fully enriched, to hall and saloon, suitable to a 15 feet story.		
				64	0	Ditto, ditto.		
						NETT.	0	144
				98	0	Corinthian cornice (only) dining room.		
				105	0	Composite ditto, drawing room.		
				105	0	Ionic modillion ditto, study.		
				120	0	Enriched cornices and freeze collected to strings, lobbies, and ceiling, of principal stairs.		
						Enrichments to window of ditto.		
				222	0	Cornices with 2, and part 3, enrichments in bed-chambers, suitable to story 12 feet high.		
				63	0	Circular ditto with drops and bells, lobby.		
				210	0	Light cornices in dress closets.		

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No. of times.	Length.			Breadth.		Contents.			Y.	F.
	F.	I.		F.	I.	F.	I.	GARRET STORY.		
						792	0	Of impost moldings collected, 4 to 5 inches.		
						580	0	Of reed moldings, pannelling tables to ceilings.		
						63	0	Enriched dentule cornice to circular lobby.		
						48	0	Ditto reed and goloss to sash over ditto.		
						480	0	Of dubbing collected in chamber story.		
						1110	0	Ditto garrets and basement.		
								Bedding and pointing 17 sash frames, basement story.		
								35 Ditto 2 principal floors.		
								3 Ditto stair-cases and frame to hall door.		
						Y.	F.	PAINTERS' WORK.—BASEMENT STORY.		
24	7	0	by	3	6	65	3	Chocolate colour on doors, four coats.		
12	17	0	..	1	8	37	7	Ditto on frames, ditto.		
								NETT.	103	1
						0	420	Run of broad saddles to jambs, ditto.		
						0	210	Ditto to groins.		
								NETT.	0	630
12	7	0	..	18	0	168	0	Superficial of white on windows, 4 coats.		
12	16	9	..	2	6	55	7½	Lockers under windows.		
24	5	6	..	2	3	33	1	Boards and soffits.		
						256	8½	*Carried over.*		

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No. of times.	Length. F.	I.		Breadth. F.	I.	Contents. Y.	F.	*Painters' Work continued.*	Y.	F.
						256	8½	*Brought over.*		
5	7	0	by	9	0	35	0	On presses in recesses to blank windows.		
10	7	0	..	10	0	77	7	Ditto white and blue.		
40	5	0	..	2	3	50	0	Ditto shelves, white and blue.		
	110	0	..	6	0	73	3	White on iron ballustrades, geometrical stone stairs, 4 coats.		
								NETT.	493	0½
						0	900	Black skirting and white moldings.		
						0	139	Molding to chimnies white, 4 coats, garret and basement.		
								Painting pillasters and entablatures to 8 chimney-pieces, 4 coats, white.		
								PRINCIPAL STORIES.		
32	8	6	..	21	0	634	6	Windows in 2 floors dead white, 4 coats.		
32	9	0	..	3	0	96	0	Backs and elbows ditto.		
32	5	8	..	3	0	60	1½	Soffits and top architraves.		
12	19	0	..	3	6	88	6	Door frames and linings.		
10	19	0	..	2	3	47	4½	Ditto.		
22	7	8	..	7	6	140	1	Doors.		
								62 Black or green finger plates to doors.		
14	4	0	..	18	0	112	0	Sashes and shutters, garrets.		
						1179	1	*Carried forward.*		

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Table LXXIII. *continued.*

No. of times.	Length. F.	L.		Breadth. F.	L.	Contents Y.	F.	*Painters' Work continued.*	Y.	F.
						1179	1	*Brought forward.*		
28	5	3	by	1	10	29	8½	Boards and soffits.		
3	18	0	..	3	6	21	0	Door frames, white, 4 coats.		
9	18	0	..	2	0	36	0	Ditto.		
12	6	6	..	6	8	57	7	Doors ditto.		
								NETT.	1323	7½
								Painting dome sash, inside and outside to circular lobby.		
								Ditto linings to arch-ways, circular lobbies.		
								Ditto and pillasters, &c. to stair-case windows.		
								Ditto to hall door, and sash over.		
								Painting (imitation) veined marble, 2 doric columns to hall, suitable to a 15 feet story.		
								Ditto 2 pillasters.		
	45	0	..	8	0	40	0	Rails to hall door steps, white, 4 coats.		
								Four globe irons, painted white, 4 coats.		
	42	0	..	7	0	32	6	Ballusters to principal stairs, 4 coats.		
						0	1188	Base and subbase, 4 coats, white.		
						0	870	Deep plinths, green, blue, and marble collected.		
						0	784	Base molding white, plinth black.		
						0	310	Plain black on plinths, and white on chimney moldings.		
								Painting presses to recesses, 4 blank windows, chamber story, 4 coats, white and blue.		

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No. of times.	Length.		Breadth.	Contents.	*Painters' Work continued.*	
	F. I.		F. I.	Pair.		
					Seventeen windows outside to basement, 4 coats white.	
					Thirty-five ditto, 2 principal stories.	
					Two ditto, stair-cases.	
					Fourteen ditto, garret floor.	
					Eight blank windows inside of glass, black.	
					IRONMONGERS' WORK.	
				3	Of wrought iron hinges, hall door, and door to back stairs.	
				21	Of four hole butt hinges, principal story, with 2½ inch wood screws.	
				26	Ditto garret and basement 2, inch ditto.	
				120	Sash weights, average weight 30lbs. per pair, gross weight 32cwt. 16lbs.	
				96	Brass fronted pully boxes.	
				24	Ditto, metal fronts.	
					Four grates in basement story.	
					Three ditto in principal story.	
					Six ditto, chamber story and breakfast parlour.	
					Five ditto, garret story.	
					Lock and 2 rappers, with securities to hall door.	

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No. of times.	Length. F. I.	Breadth. F. I.	Contents. CWT.	*Ironmongers' Work continued.*
				Twenty-one nine-inch mortice locks, and ball furniture in 2 principal stories.
				Fourteen of seven-inch ditto, garret story.
				Ten fine (iron) locks, basement.
				Two ditto to cellars.
				Six handles and latches.
				One iron door to strong room, with locks and two keys, 8 bolts to shoot from centre, and other securities.
				Four scrapers, with sinking and pouring ditto in steps and landing to hall door.
				Four glebe irons, with frames and globes complete.
				Four globes in hall, stair-case, and circular lobby, including chains, branches, and pullies.
			8	Of wrought and framed iron ballusters to geometrical stairs, with plate revitted on.
			6	Ditto ballusters and iron hand-rail to steps at hall door.
			36	Ditto in cramps, dowels, and chain bars.
			5	Ditto in rails to windows, basement, and stair-case.

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TABLE LXXIV.

Bill of Work, taken from estimated quantities, for building a House 66 by 56 feet square, four story high, the four fronts to be drafted and tooled (cut stone); also, chimnies over roof: the other works to be executed in manner to correspond.

Perchs.	Yards.	Feet.		At per.	Amount.			Total.		
			EXCAVATING AND CARTING AWAY.	*s.*	*d.*	*£.*	*s.*	*d.*	*£.*	*s.*	*d.*
	3396	0	Cube of work collected, see dimentions	0	8	..	..		113	4	0
			ROUGH MASON AND BRICK WORK.								
639	0	13	Statute of mason work collected in the walls of basement story	12	0	383	15	4			
120	0	17	Of workmanship only in deductions off materials.....	2	0	12	0	0			
213	0	17	Of brick-work in lining the extreme and inside walls..	14	0	149	13	4			
49	0	0	Of workmanship in deductions	2	0	4	18	0			
355	0	20	Mason work collected in walls over basement story	12	0	213	11	5			
132	0	12	Workmanship in deductions off materials.....	2	0	6	12	0			
177	0	11	Brick in lining extreme walls	14	0	124	5	4			
78	0	9	Workmanship only in deductions	2	0	7	16	0			
863	0	3	Brick work collected inside walls and chimnies.....	14	0	614	4	0			
87	0	18	Workmanship only in deductions	2	0	8	15	8			
			Carried forward.	....		1525	11	1	113	4	0

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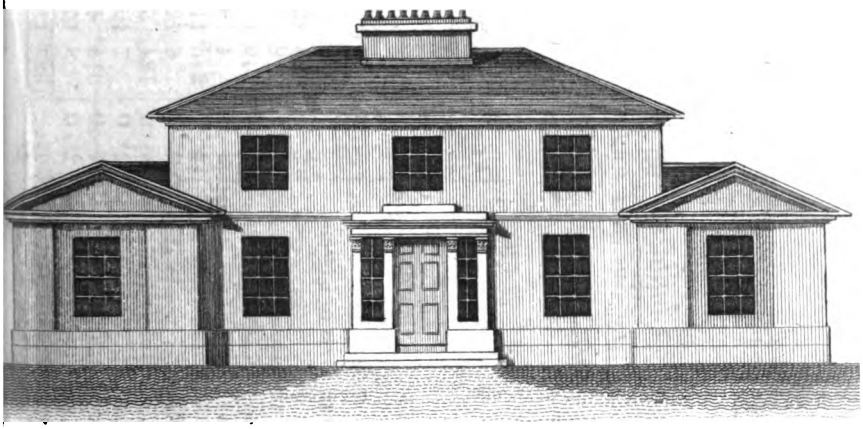

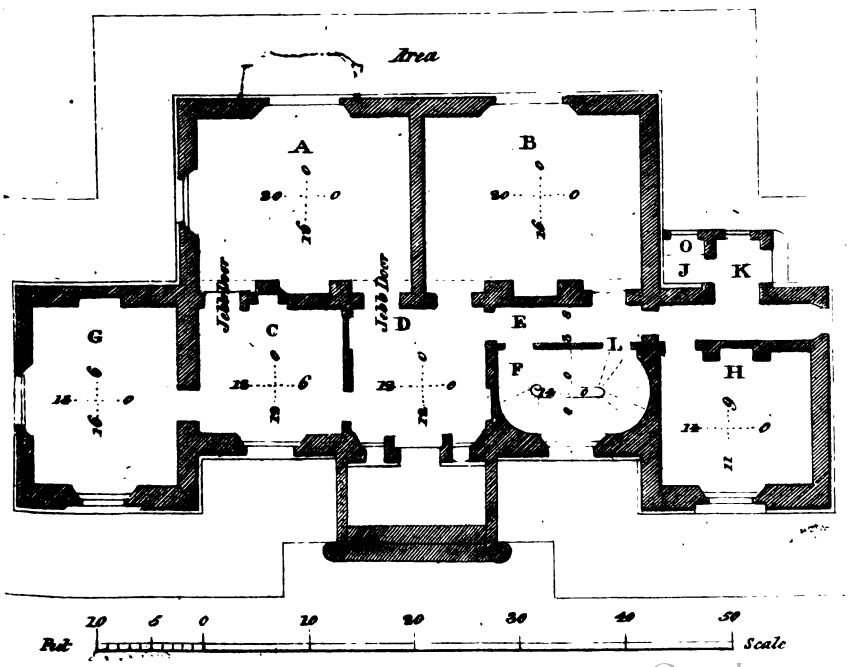

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Table LXXIV. *continued.*

Perchs.	Yards.	Feet.	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought forward.	....	1525 11 1	113 4 0
151	0	0	Of groin arches collected in basement, brick work.....	14 0	105 14 0	
151	0	0	Of centring to ditto, viz.—Corridore, under hall, and strong room, (fire proof.)	6 0	45 6 0	
28	0	0	Foundation under steps to hall door	12 0	16 16 0	
2484	0	1	Grouting collected in the above work	0 7	72 9 0	
		360	Lineal groin angles.....	0 6	9 0 0	
			2986½ Loads of ashlers, allowing 3 loads to the perch....	0 10	124 17 1	
		1140	Lineal of splayed jambs	0 3	14 5 0	
			4 Grates set and backed, basement.....	12 0	2 8 0	
			9 Ditto, 2 principal floors	15 0	6 15 0	
			5 Ditto, garret story	14 0	3 10 0	
			372 Arches reduced, collected	2 0	37 4 0	
			3 Half round to hall door and principal stair-case.....	18 0	2 14 0	
			1 Ditto, back stair-case	14 0	0 14 0	
			2 Niches in hall.....	30 0	3 0 0	
			12 Trimmer arches	7 0	4 4 0	
45	0	0	Of 4½ inch brick filling in partitions to 2 circular lobbies..	8 6	19 2 6	
46	0	0	Ditto in partitions to dressing rooms and chambers	8 0	18 8 0	
35	0	0	Work only in deductions off stuff.....	1 6	2 12 6	
			Carried over.	....	2014 10 2	113 4 0

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Table LXXIV. *continued.*

Perchs.	Yards.	Feet.	*Description of Work.*	At per.	Amount.			Total.		
				s. *d.*	£.	*s.*	*d.*	£.	*s.*	*d.*
			Brought over.	....	2014	10	2	113	4	0
313	0	12	Stone walls in sewers	12 0	188	2	10			
	618	7	Of strong flagging bottom and top	4 0	123	13	4			
								2326	6	4
29			Of 4½ inch brick-work in bins to wine cellar under principal stairs	9 0	13	1	0			
4			Centring to ditto	4 0	0	16	0			
								13	17	0
	F.	I.	STONE-CUTTERS' WORK.							
	537	6	Cube in plinth to basement story	2 0	53	15	0			
	2494	6	Superficial (champher) rustic work tooled, including plinth course to basement story	2 0	249	9	0			
	121	10	Extra in face of 18 arches to windows and doors	2 0	12	3	8			
	450	0	Of joints collected to arches, punched	1 0	22	10	0			
	160	6	Punched work on reveals	1 0	8	0	0			
			214 Check bonds to ditto in jambs	3 4	35	13	4			
			54 Ditto, arches	4 0	9	0	0			
			Carried forward.	....	390	11	0	2453	7	4

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Perchs.	Feet.	Inches.	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought forward.	....	390 11 0	2453 7 0
			240 Bonds in ashlars	3 0	40 0 0	
	161	5	Rabbeted and throated window stools	2 0	16 2 10	
	46	0	Cills in 2 door ways	2 0	4 12 0	
	2454	0	Lineal of joints, with champher each side	0 6	61 7 0	
						512 12 10
	1800	1	Cube collected in two facia courses, architrave freeze, cornice parapet, and pillasters from top of basement story to completion of building	2 0	180 0 2	
			540 Bonds in check stones, reveals, and arches to windows and doors	3 4	90 0 0	
			1250 Ditto in ashlar work	3 4	208 6 8	
	8067	8	Superficial, drafted, and tooled work, collected in fronts, three principal stories	2 0	806 15 4	
	533	0	Joints collected to arches, ditto	1 0	26 13 0	
	466	0	Punched reveals	1 0	23 6 0	
	77	4	Superficial in beds of 4 pillasters, including bases and capitals	2 0	7 14 8	
	89	7	Sunk work on shafts tooled	3 6	15 13 6½	
			Carried over.	....	1358 9 4½	2965 19 10

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Table LXXIV. *continued.*

Perchs.	Feet.	Inches.	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought over.	....	1358 9 4½	2965 19 10
	42	0	Plain face, drafted and tooled	2 0	4 4 0	
	20	9	Molded bases and capitals	5 6	5 14 1½	
	5	8	Lineal egg anchor and bead on ovallo, and bead molding in capital	6 8	1 17 9½	
			8 Ionic volutes, 7 inches diameter	45 0	18 0 0	
	9	0	Of astragal and fillet on necks	1 4	0 12 0	
	340	0	Superficial of molded architrave	5 0	85 0 0	
	837	0	Of modillion cornice agreeable to the ionic order	7 0	292 19 0	
	428	6	Of resunk work, top bed in raising joints	1 0	21 8 6	
	95	0	Ditto on parapet	1 0	4 15 0	
	54	0	Cube in stone door-case, strong room	2 0	5 8 0	
	56	0	Superficial plain punched work	1 0	2 16 0	
	8	0	Resunk rabbeting ditto	2 0	0 16 0	
			Letting in bolts, &c.	....	0 10 0	
	480	0	Sinking for chain bars in freeze and cornice, including pouring ditto with lead, ditto for sundry cramps and dowels	1 0	24 0 0	
						1826 9 9½
	289	6	Cube Portland stone in back stair-case	5 0	72 7 6	
	1257	3	Superficial plain geometrical steps and landings, &c.	3 4	209 10 10	
			Carried forward.	....	281 18 4	4792 9 7½

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Table LXXIV. *continued.*

Perchs.	Feet.	Inches.	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought forward.	....		281	18	4	4792	9	7½
	60	0	Joggle joints, measuring joint only, including pouring with lead	3	4	10	0	0			
			172 Holes punched for ballusters	0	4	2	17	4			
									294	15	8
			GEOMETRICAL STEPS AND LANDING TO HALL DOOR.								
	154	3	Cube of granate or lime-stone, collected in steps and landing	2	0	15	8	6			
	612	9	Superficial of fronts, drafted and tooled, top beds and circular soffit neatly punched, joints included	2	6	76	11	10½			
	30	0	Superficial joints to geometrical landing	1	0	1	10	0			
	36	0	Lineal of double joggles in joint, including pouring lead in ditto	3	4	6	0	0			
			2 Volutes to ends of 1st step	....		2	10	0			
			16 cartouces sunk in solid quoin, (circular) heads to steps	4	0	3	4	0			
			Cutting 80 holes for iron ballusters	0	4	1	6	8			
			6 Guard posts, ends of steps and quoins at area	40	0	12	0	0			
			Letting irons in ditto for globes, chains, and scrapers	....		1	6	0			
									119	17	0½
			Carried over.	....		.....			5207	2	4

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Table LXXIV. *continued.*

Perchs.	Feet.	Inches.	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought over.	....	.....	5207 2 4
	725	4	Superficial curb stone 6½ inches thick, punched, securely set home to plinth in area.....	1 8	60 8 4	
	472	6	Ditto in channel course over sewers	1 8	39 6 8	
	260	0	Lineal of water-course cut in ditto.....	0 8	8 13 4	
			8 Bason stones, dished, cut, and holed	7 6	3 0 0	
						111 8 4
	400	0	Cube of stone in 5 chimnies through and over roof.....	2 0	40 0 0	
	435	0	Superficial, drafted, and tooled work on ditto	2 0	43 10 0	
	986	11	Punched work in beds and inside of flues.....	10 0	41 2 5	
	40	0	Resunk flues through caps	2 0	4 0 0	
	290	0	Molded bases	3 0	43 10 0	
	257	9½	Ditto cornices	4 0	51 12 4	
	70	0	Grooving for chain bars, and pointing ditto	10 0	2 18 4	
			240 Cramps and dowels	0 6	6 0 0	
						232 13 1
	1826	0	Superficial of flagging in basement, laid in courses properly squared and cleaned off, to be at least 4½ inches thick	1 6	136 19 0	
			Carried forward.	....	136 19 0	5551 3 9

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Perchs.	Feet.	Inches.	*Description of Work.*	At per. £. s.	Amount. £. s. d.	Total. £. s. d.
			Brought forward.	....	136 19 0	5551 3 9
			Statuary arms (Robinson) in pediment, 2 bucks for supporters, and coronet	....	150 0 0	286 19 0
			CHIMNEY-PIECES.			
			Four neat, plain, black stone chimney-pieces in basement story, with facings and hearth stones	6 0	24 0 0	
			Three statuary chimney-pieces, with suitable facings, hearths, &c. &c. complete in principal story	50 0	150 0 0	
			One dove, or veined marble, in breakfast room	....	22 0 0	
			Five ditto, bed chamber story	18 0	90 0 0	
			Five ditto in garret story, black marble	10 0	50 0 0	
			Eight register and mock register grates, set in marble, finding blocks	s. d. 60 0	24 0 0	
			Eight fire stove facings to ditto	20 0	8 0 0	368 0
			Carried over.	....	.....	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet.	*Description of Work.*	At per.	Amount.	Total.
				s. d.	£. *s. d.*	£. *s. d.*
			Brought over.	....	.....	6206 2 9
			CARPENTER'S WORK.			
			Timber rated at 8l. per ton.			
		8160	Lineal of lintels, ties, and bond timbers collected, reduced to 6 inches by 3 square	0 8	272 0 0	
9	0	76	Superficial of ground joists, 6 inch by 3, laid on strong plates in basement, the flooring 1¼ inch thick, straight joint and nailed	7*l.* 10*s.*	50 0 6	
			Four trimmers to hearths	7*s.* 6*d.*	1 10 0	
			PRINCIPAL STORY.			
28	0	61	Joists 12 inch by 2½ square, and plank 1½ inch thick, dowelled in reduced breadths, 4 principal apartments	10*l.* 10*s.*	300 8 1	
5	0	0	Ditto joists 12 by 2 and 1½ plank flooring, grand staircase and breakfast parlour	10*l.* 0*s.*	50 0 0	
			BED-CHAMBER STORY.			
27	0	29	Joists 12 inches by 2¼, and 1⅛ inch plank in reduced breadths, (dowelled).	10*l.* 5*s.*	340 9 5	
			Carried forward.	....	1014 8 0	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per. £. s. d.	Amount. £. s. d.	Total. £. s. d.
			Brought forward.		1014 8 0	6206 2 9
			GARRET STORY.			
29	0	60	Joists 11 by 2, and straight joint flooring $1\frac{1}{4}$ inch thick, nailed down	7 18 0	233 16 $9\frac{1}{2}$	
		728	Lineal of bridging collected in the sundry floors, averaged 12 by $2\frac{1}{4}$ inches square, very securely keyed ..	0 1 9	68 8 6	
			Two trimmers to principal stairs	0 10 0	1 0 0	
			To 12 hearths framed, centred, and sheeted, to turn arches on	1 0 0	12 0 0	
			Eight mahogany curbs to hearths	1 10 0	12 0 0	
			Nine deal ditto, basement and garrets	0 14 0	6 6 0	
			Twelve mahogany saddle cills in door ways, averaged 10 superficial feet each	1 10 0	18 0 0	
			Eighteen deal ditto garrets (lobby) and basement	0 10 0	9 0 0	
		1040	Superficial of bracketting for stucco cornices in principal story, and stair-case, including plates to joists and walls in ground to receive ditto	0 1 0	52 0 0	
46	0	6	Superficial of framed roofing, done in peculiar manner, sufficient for 20 feet span	7 10 0	352 0 0	
			Carried over.		1778 13 $3\frac{1}{2}$	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per. £.	*s.*	*d.*	Amount. £.	*s.*	*d.*	Total. £.	*s.*	*d.*
			Brought over.	....			1778	13	3½	6206	2	9
15	0	20	Ceiling joists 3 inches square	1	10	0	22	16	0			
1	0	30	Of waste roof at pediment	1	10	0	1	19	0			
		212	Plates to roof, (rhomboides form) securely scarfed, 6 by 8 inches square	0	2	6	26	10	0			
4	0	20	Circular roofing on lobby, under dome sash, including plates and curb	2	10	0	10	5	0			
		92	Of valley beams collected 8 by 4	0	1	8	7	13	4			
		220	Of ridge and hip poles 2½ inches diameter, including spikes to secure ditto on roof	0	1	4	14	13	4			
		1232	Superficial joists 6 by 3, and 2½ inch plank in gutters under lead	0	1	10	112	18	8			
		232	Of 1½ inch plank in vallies under lead gutters	0	1	1	12	11	4			
		26	Very large open gutter through apartment, to convey water from roof, to rain water trunk	0	8	0	10	8				
		176	Lineal of truss scantling in girders to support truss partitions, 12 by 5 inches square	0	5	0	44	0	0			
		176	Ditto bolted 6 by 5	0	2	0	17	12	0			
		162	Ditto in king posts 12 by 5, two stories	0	4	0	32	8	0			
		486	Story posts 4 by 5	0	1	0	24	6	0			
			Carried forward.	....			2116	13	11½	6206	2	9

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Sqrs.	Yds.	Feet	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought forward.			2116	13	11½	6206	2	9
		168	Circular furring to lobbies out of scantling, 12 by 5, securely bolted on	4	0	33	12	0			
		290	Of scantling in angle braces to circular lobbies, got out of scantling 4 by 12 inches square	2	6	36	5	0			
		240	Ditto in straight partitions, 4 by 5	1	0	12	0	0			
22		60	Common studs filling in, 5 by 2	45	0	50	17	0			
17		85	Ditto round the garret story, where furring in from extreme walls, cross plates included	45	0	40	3	3			
2		94	Ditto light partitions, in dress room garret	35	0	5	2	8			
			Twelve rabbeted scantling door frames, basement 6 feet 4 inches by 3 feet 2 inches clear, 6 by 5 square	30	0	18	0	0			
			Two lighter ditto, to store closets	16	0	1	12	0			
	53	7	Framed doors to ditto	9	0	24	4	0			
		420	Of saddle casings to jambs, both sides of frames collected	0	8	14	0	0			
			Twelve sash frames 6, 10, by 4 feet, including all casings	25	0	15	0	0			
			Five ditto to blank windows	14	0	3	10	0			
		332	Of sashes	1	0	20	15	0			
		138	Ditto in blank windows	0	10	5	15	0			
		492	Slips, stops, and parting beads	0	3	6	3	0			
			Carried over.	....		2402	12	10½	6206	2	9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought over.	...		2402	12	10½	6206	2	9
	58	0	Of framed shutters to ditto	9	0	26	2	0			
	22	6	Of plain boards and soffits	8	0	9	1	4			
		258	Of broad single-faced architraves	0	10	10	15	0			
		80	Saddles up quoin chimnies	0	8	2	13	4			
		60	To ditto piers under groin arches	0	8	2	0	0			
		140	Circular to ditto groins, (in solid)	1	4	9	6	8			
			Putting curbs and covers to wash blocks, and benches for butler and steward's apartment, and cellar	...		10	10	0			
			PRINCIPAL STORY.								
			Seventeen sash frames, 8 feet 6 inches by 4 feet clear, including inside and outside casings	32	0	27	4	0			
		578	Sashes in ditto tapered and dowelled, 2½ inches bar	1	8	48	3	4			
		799	Slips and parting beads	0	4	13	6	4			
			Seventeen pair of pendulum slips between weights	2	6	2	2	6			
			Inserting 17 pair of foxings to admit weights	1	0	0	17	0			
			Thirty-four pair of pullies inserted	0	8	1	2	8			
			Carried forward.	....		2565	15	0½	6206	2	9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.			Total.		
				s. *d.*	£.	*s.*	*d.*	£.	*s.*	*d.*
			Brought forward.	. . .	2565	15	0½	6206	2	9
	117	0	Of framed shutters, one side bead and flush.....	9 0	52	13	0			
	97	0	Ditto jamb casings grooved in.....	9 0	43	13	0			
	83	6	Ditto backs, elbows, and soffits.....	9 0	37	13	0			
			Seventeen pair of very neat fluted spandrill fillings, between shutters and soffits.....	8 0	6	16	0			
		289	Planceers and freeing beads.....	0 8	9	12	0			
		127	Of fluting laid in freeze over backs.....	1 8	10	11	8			
		127	Eight inch plinths rabbeted in on backs	0 10	5	5	10			
		484	Very neat 8 inch double-faced architraves to windows, with rabbeted molding laid on face and back	2 0	48	8	0			
		484	Grounds to ditto, rabbeted and sprung.....	0 11	22	3	8			
			Twenty-one door frames in the two principal stories, rabbeted and plowed each edge for linings, with neat reed moldings in solid scantling, 6 by 4.....	30 0	31	10	0			
	133	3	Double margin doors to ditto.....	9 6	63	6	8			
	99	6	Of 1¼ linings, bead and flush grooved in, and securely fixed on blocks to jambs	9 6	47	6	8			
		876	Of 7 inch double-faced door architraves, to match window architraves.....	1 10	80	6	0			
			Brought over.	....	3025	0	6½	6206	2	9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought over.	....	3025 0 6½	6206 2 9
		569	Of base 3 by 2½, rabbeted to receive plinth.....	1 0	28 9 0	
		569	Plinth rabbeted on eight inches deep.....	0 10	23 14 2	
		569	Subbase very neatly capped	1 6	42 13 6	
		1138	Of (prepared) grounds keyed for plaister, to base and subbase.....	0 7	33 3 10	
		569	Of slips on floor behind plinth.....	0 2	4 14 10	
		25	Circular base in lobby.....	2 0	2 10 0	
		25	Of plinth to ditto	1 0	1 5 0	
		25	Subbase circular	2 6	3 2 6	
		50	Grounds.....	1 0	2 10 0	
		25	Slips on floor for plinth.....	0 4	0 8 4	
			Four circular sashes in circular lobby, including glass and casings, 3 feet diameter.....	30 0	6 0 0	
		370	Staffs to breasts of chimnies.....	0 5	7 14 2	
			Fourteen sash frames in chamber story, 8 feet 6 inches by 4 feet, including all casings	32 0	22 8 0	
			Four ditto to blank windows.....	20 0	4 0 0	
		170	Sashes in ditto, blank windows.....	0 10	7 1 8	
			Carried forward.	....	3214 15 6½	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	*£.* *s.* *d.*	*£.* *s.* *d.*
			Brought forward.	....	3214 15 6½	6206 2 9
		476 1/9	Ditto in the fourteen other frames, dowelled and tapered same as parlour story	1 8	39 13 6	
		665	Slips, stops, and parting beads	0 4	11 1 8	
			Fourteen pair of pendulum slips	2 6	1 15 0	
			Fourteen pair of foxings to admit weights	1 0	0 14 0	
			Twenty-eight pair of pullies to let in pulley-pieces	0 8	0 18 8	
	108	1	Framed shutters	9 0	48 13 0	
	93	0	Ditto jamb casings	9 0	41 17 0	
	85	1½	Ditto backs, elbows, and soffits	9 0	38 6 6	
			Fourteen pair of fluted fans over shutters	7 0	4 18 0	
		238	Planceers and freeing beads	0 8	7 18 8	
		105	Of 8 inch plinths rabbeted in backs	0 10	4 7 6	
		399	Of 8 inch double-faced architrave	2 0	39 18 0	
		372	Grounds to ditto rabbeted and sprung	0 11	17 1 0	
			GARRET STORY.			
			Fourteen sash frames framed to plate on partition, and roof, in peculiar manner, 4 feet by 4	20 0	14 0 0	
			Carried over.	....	3485 18 0½	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought over.	....		3485	18	0½	6206	2	9
		228	Of sashes in ditto	1	6	17	2	0			
		448	Slips, stops, and parting beads	0	3	5	12	0			
			Fourteen pair of foxings to admit weights	1	0	0	14	0			
			Twenty-eight pair of pullies inserted in frames	0	8	0	18	8			
	39	6	Framed, part clamped shutters	9	0	17	17	0			
	34	0	Linings in boxing all round	8	3	14	0	6			
		203	Single-faced architraves, 5 inches face	0	9	7	12	3			
			Twelve partition door frames, linings included	22	6	13	10	0			
	46	3	Framed doors to ditto	9	0	20	17	0			
		420	Architraves 5 inches broad	0	9	15	15	0			
		875	Molded skirtings collected, including back stair-case, and basement story	0	6	21	17	6			
		30	Circular on lobby	0	10	1	5	0			
		126	Moldings round 8 marble chimney-pieces, garrets and basement	0	10	5	5	0			
			One sash frame principal stairs, 10 by 5 feet, to springing circular top, including all casings	....		4	15	0			
		50	Square sashes in ditto	1	8	4	3	4			
		25	Circular ditto in top	3	0	3	15	0			
			Carried forward.	....		3640	17	3½	6206	2	9

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Sqrs.	Yds.	Feet	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought forward.	- - -		3640	17	3½	6206	2	9
		46	Slips, stops, and parting beads	0	4	0	15	4			
		15	Circular ditto	0	6	0	7	6			
			One pair of foxings			0	2	0			
			Two pair of pullies let in, and pendulum slips			0	6	0			
	11	6	Framed shutters, bead and flush	9	0	5	5	0			
	8	1	Ditto jamb linings and in 2 elbows, on framed grounds	9	0	3	12	0			
	9	0	Framed back eliptic	9	0	4	1	0			
	1	6	Capping ditto and freeing beads on top	9	0	0	15	0			
		26	Of pillasters suitable with caps and bases	4	0	5	4	0			
		14	Bracketting soffit of arch	1	9	1	4	9			
			One sash frame to back stairs, 7 feet by 3 feet 9 inches, to springing with circular top	- - -		2	16	0			
		26¼	Of sashes in ditto to springing of arch	1	8	2	3	9			
		13	Of circular ditto in top	3	0	1	19	0			
		36	Slips, stops, and parting beads	0	4	0	12	0			
		12	Ditto circular	0	6	0	6	0			
			One pair of foxings			0	2	0			
			Two pair of pullies let in, and pendulum slips			0	5	0			
	6	2	Framed shutters	9	0	2	16	0			
			Carried over.	- - - -		3673	9	7½	6206	2	9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought over.	....	3673 9 7½	6206 2 9
	10	3	Jamb linings, backs and elbows	9 0	4 13 0	
		22	Pillasters to ditto, with caps and bases	3 0	3 6 0	
			Scantling rabbeted frame to hall door, with transum head rabbeted, plowed for linings, and screwed to stone jambs	....	3 18 0	
			One pair of mahogany double margin doors, 9 feet by 5 feet 6 inches square, 3 inches thick, double panelled	....	38 10 0	
			Rabbeting, fitting, hanging, and putting lock and securities on ditto	....	3 0 0	
		16	Neat impost moldings inside and outside	2 6	2 0 0	
	9	3	Framed jamb casings fixed on framed grounds behind	15 0	7 0 0	
		19	Of very neat pillasters, 12 inches wide, with caps and bases	5 0	4 15 0	
		19	Framed grounds behind ditto	1 6	1 8 6	
			Patent semi sash (and plate glass) over hall door, 5 feet 4 inches base	....	13 13 0	
			Suitable trimming to ditto	....	10 0 0	
			Two (wood) dorick columns in hall, suitable to 14 feet 8 inches story	....	56 0 0	
			Two pillasters to correspond	....	28 0 0	
			Carried forward.	....	3849 13 1½	6206 2 9

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Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.	Total.
				s. d.	*£. s. d.*	*£. s. d.*
			Brought forward.	- - -	3849 13 1½	6206 2 9
		21	Of beam in two thicknesses, bolted for receiving entablature over column, measuring 36 cube feet	6 0	10 16 0	
			One story of principal stairs, done in first stile, suitable to a story 15 feet, well hole 10 feet wide, with continued rail, volute, and 5½ feet gallery rail	- - -	60 0 0	
			Oak hand-rail to 3 story of geometrical stone stairs, screwed to iron plates, best manner, including models	- - -	32 15 0	
		10	Of gallery rail to correspond	6 0	3 0 0	
			Attending stone-cutters with timbers in putting up geometrical stairs including materials	- - -	14 11 0	
			Ditto at arch, and steps entrance to hall-door, including making cylinder for turning arch on, and striking out molds for ditto and iron hand-rails.....	- - -	20 10 0	
			Making sundry molds for the different purposes of stone-cutter's work in building	- - -	20 4 0	
			Ditto for bricklayers to arches and groins, centres included	- - -	24 10 0	
			Twelve (fine) stock and iron-rimmed locks, put on in basement story	1 6	0 18 0	
			Ten handles and latches ditto.....	0 10	0 8 4	
			Carried over.	- - -	4037 5 5½	6206 2 9

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.	Total.
				s. d.	*£. s. d.*	*£. s. d.*
			Brought over.	- - -	4037 5 5½	6206 2 9
			Twenty-one mortice locks in two principal stories and furniture	3 0	3 3 0	
			Fourteen ditto in garrets	2 6	1 15 0	
			Twenty-four sash lights hung in basement	2 6	3 0 0	
			Sixty-six ditto, two principal stories and stairs	3 4	11 0 0	
			Twenty-eight ditto garret	2 0	2 16 0	
						4058 19 5½
			SLATER'S WORK.			
				l. s.		
51	0	23	Of bangor ton slating or counter laths tiered inside	4 0	204 18 5	
18	0	0	Of Weather slating	4 0	72 0 0	
						276 18 5
			PLUMBER'S WORK.			
Cwt.	Qrs.	lbs.				
191	0	16	Of sheet lead collected in sundries of building, 8lbs. to the foot	2 10	477 17 1	
						477 17 1
			Carried forward.	- - -	- - -	11019 17 8½

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Yds.	Feet	Inch	*Description of Work.*	At per.	Amount.	Total.
				s. *d.*	£. *s.* *d.*	£. *s.* *d.*
			Brought forward.	- - -	- - - -	11019 17 8½
			GLAZIER'S WORK.			
	760	1	Superficial of A. glass collected in basement and garret story, including blank windows, basement and chamber stories	1 6	57 0 0	
	948	1	Superficial of crown glass in two principal stories . . .	5 0	237 0 5	
	36	0	Of A. glass in circular sashes (lobby)	2 6	4 10 0	
	180	0	Patent sash and glass, in dome light, ornamented with goloss and fret work	6 8	60 0 0	
						358 10 5
			PLAISTERER'S WORK.			
754	2	0	Superficial of plaistering on counter flooring, collected..	0 8	25 2 9½	
155	4	6	Plain ceilings coated on double laths (basement)	2 2	16 14 11	
663	0	0	Ditto walls in ditto story.....	0 10	27 12 6	
193	6	0	Ditto on brick groin ceilings.....	1 4	12 18 2½	
	360	0	Lineal of champher angles on groins	0 4	6 0 0	
			Carried over.	- - -	88 8 5	11378 8 1½

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Table LXXIV. *continued.*

Yds.	Feet	Inch	*Description of Work.*	At per.	Amount.	Total.
				s. d.	*£. s. d.*	*£. s. d.*
			Brought over.	....	88 8 5	11378 8 1½
			TWO PRINCIPAL STORIES.			
1482	3	6	Floated and coated walls finished in hard ground collected	1 8	123 10 7	
217	7	0	Ditto finished, white, garret story.....	1 4	14 10 4	
613	0	6	Floated and coated partitions on double laths, collected in chambers and garret stories.....	2 10	86 17 0	
575	7	6	Ceilings in two principal stories, and stair-case floated and coated.....	3 0	86 7 6	
294	3	0	Ditto in garret story	2 6	36 15 10	
	152	0	Lineal of plain moldings in housekeeper's and steward's apartments, 6 to 8 inches	0 10	6 6 8	
	64	0	Ditto five inches in butler's room	0 8	2 2 8	
	144	0	Doric entablature, fully enriched, suitable to 15 feet story in hall and saloon.....	15 0	108 0 0	
	98	0	Of Corinthian cornice (only) in dining room.....	13 6	66 3 0	
	105	0	Composite ditto in drawing room	13 6	70 17 6	
	105	0	Ionic modillion cornice study.....	10 0	52 10 0	
	120	0	Enriched cornices, and freezes fluted to grand stair-case	15 0	90 0 0	
			Carried forward.	- - -	832 9 6	11378 8 1½

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Sqrs.	Yds.	Feet	*Description of Work.*	At per. s.	At per. d.	Amount. £.	Amount. s.	Amount. d.	Total. £.	Total. s.	Total. d.
			Brought forward.	-	-	832	9	6	11378	8	1½
			Enriched jambs, arch, and moldings to window of ditto	-	-	4	10	0			
		222	Of cornices with part two, and part three enrichments, suitable to 12 feet story, bed-chambers	3	4	37	0	0			
		63	Circular ditto, drops and bells, circular lobby	5	0	15	15	0			
		210	Of light ditto in dressing closets	2	0	21	0	0			
		792	Of impost moldings, garret story, 4 to 5 inches	0	9	29	14	0			
		580	Reed moldings in pannelling ceiling	0	8	19	6	8			
		63	Carved moldings and dentulo to circular lobby	2	8	8	8	0			
		48	Goloss and reeds round ditto, next dome light	2	6	6	0	0			
		480	Lineal of dubbing, collected to cornices, chamber story	0	4	8	0	0			
		1110	Ditto garrets and basement	0	3	13	17	6			
			Seventeen sash frames, bedded and pointed basement	2	0	1	14	0			
			Twenty-five ditto in two principal stories	3	0	3	15	0			
			Three ditto stair-cases, and frame to hall-door	4	0	0	12	0			
									1001	1	8
			PAINTER'S WORK.								
	103	1	Chocolate colour, four coats, door and frames to basement story	1	2	6	0	3½			
			Carried over.	-	-	6	0	3½	12379	9	9½

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Table LXXIV. *continued.*

Sqrs.	Yds.	Feet	*Description of Work.*	At per.	Amount.			Total.		
				s. *d.*	£.	*s.*	*d.*	£.	*s.*	*d.*
			Brought over.	....	6	0	3½	12379	9	9½
		630	Lineal of ditto on saddles	0 3	7	17	6			
	495	0	Of white, four coats, collected on windows, presses and iron ballusters to stairs	1 6	36	19	6			
		905	Of white molding, and black skirtings	0 4	15	1	8			
		130	Moldings round chimnies, basement and garret 4 coats white	0 3	1	12	6			
			Painting enriched pillasters and entablatures to six chimney-pieces, in principal rooms	8 0	2	8	0			
	1323	7½	Superficial of white collected on windows and doors, two principal stories and garrets, four coats	1 6	99	5	9			
			Sixty-two black finger plates about furniture of locks, to prevent white being soiled	0 8	2	1	4			
			Painting dome sash inside and outside, 4 coats, white	- - -	2	0	0			
			Ditto linings and pillasters to three arch-ways	- - -	2	5	0			
			Ditto round hall-door, including sash over	- - -	0	18	0			
			Painting two doric columns in hall, (story 15 feet) imitation of marble	- - -	6	10	0			
			Ditto two pillasters to correspond	- - -	4	0	0			
	34	0	Painting white, four coats, rails, hall-door	1 6	2	11	0			
			Four globe irons, ditto	2 6	0	10	0			
			Carried forward.	....	1 0	0	3½	12379	9	9½

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Yds.	Feet	Inch	*Description of Work.*	At per. s.	d.	Amount. £.	s.	d.	Total. £.	s.	d.
			Brought forward.	....		190	0	6½	12379	9	9½
30	6	0	Dead white on ballusters, principal stairs & facias 4 coats	1	6	2	6	0			
	1188	0	Lineal base and subbase, 4 coats white	0	4	19	16	0			
	870	0	Deep plinths, green, blue, and marble, 4 coats	0	5	18	2	6			
	784	0	Base molding white, plinth black, 4 coats.....	0	4	13	1	4			
			Four presses painted in recesses to blank windows, white and blue 4 coats.....	10	6	2	2	0			
			Seventeen windows painted outside, basement, 4 coats ...	3	0	2	11	0			
			Thirty-five ditto, two principal stories	4	0	7	0	0			
			Two ditto, stair-cases	-	- -	0	10	0			
			Fourteen ditto, garret story	2	0	1	8	0			
			Eight blanks inside of glass, black	5	0	2	0	0			
			Fourteen sets of iron bars painted	3	0	2	2	0			
			N. B. If materials are reasonably low, deduct from one-fifth to one-sixth off the several works in Painters' bill.						260	19	4½
			IRONMONGERS' WORK.								
			1½ Pair of polished hinges and screws to hall door	-	- -	1	14	0			
			Twenty-one pair wrought iron 4½ inch butt hinges, and 2½ inch screws in principal stories.....	4	0	4	4	0			
			Twenty-six ditto 4 inch, basement and garrets	3	0	3	18	0			
			Carried over.	-	- -	9	16	0	12640	9	2

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Table LXXIV. *continued.*

		Pair	*Description of Work.*	At per.	Amount.		Total.		
				s. *d.*	£.	*s.* *d.*	£.	*s.* *d.*	
			Brought over.	- - -	9	16 0	12640	9 2	
		120	Of metal weights collected to sashes, 32cwt. 16lbs. weight	20 0	32	2 10			
			Lines to ditto, best patent, 480 yards	0 4	8	0 0			
		96	Of best brass-fronted wheel-pullies and screws	2 6	12	0 0			
		24	Metal-fronted, basement	1 4	1	12 0			
			Four neat bright grates, ditto	30 0	6	0 0			
			Three register grates, principal rooms	- - -	34	0 0			
			One mock ditto, breakfast room	- - -	4	10 0			
			Five ditto bed-chamber story	80 0	20	0 0			
			Five neat grates, brass aprons and sides, garret story	30 0	7	10 0			
			Lock, rappers, chain and bolts to hall-door	- - -	10	10 0			
			Twenty-one 8 inch mortice locks, principal stories	28 0	29	8 0			
			Fourteen seven-inch ditto, garrets	15 0	10	10 0			
			Ten neat dead shot locks, basement	10 0	5	0 0			
			Two fine locks, with 2 keys to each, for wine & ale cellars,	40 0	4	0 0			
			Six handles and latches	3 6	1	1 0			
			Wrought, framed, and molded iron door to strong room, with 8 bolts to shoot into jambs and head, and 2 keys to same	- - -	30	0 0			
			Carried forward.	- - -	225	19 10	12640	9 2	

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Cwt.	Qrs.	lbs.	*Description of Work.*	At per. £. s.	Amount. £. s. d.	Total. £. s. d.
			Brought forward.	- - -	225 19 10	12640 9 2
8	0	0	Of wrought iron ballusters, revitted into plate and counter-sinking, ditto plate to screw to hand-rail of geometrical stone stairs	4 0	32 0 0	
6	0	0	Ditto in hand rail and ballusters, hall-door steps, and landing scrolls included.....	5 0	30 0 0	
30	0	0	In chain bars, cramps, and dowels	2 10	75 0 0	
			Sundry screw bolts and nuts in stone frames to hall and other outside doors, and stair-case windows	- - -	4 10 0	
5	0	0	Ditto rails to windows, basement and stair-case	3 0	15 0 0	
						382 9 10
						13022 19 0

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ABSTRACT OF THE BILL OF WORK.

	£.	s.	d.
Excavating and carting off	113	4	0
Rough moson and brick-work	2340	3	4
Stone cutters' work	3752	15	5
Carpenters' work	4058	19	5½
Slaters' work	276	18	5
Plumbers' work	477	17	1
Glaziers' work	358	10	5
Plaisterers' work	1001	1	8
Painters' work	260	19	4½
Ironmongers' work	382	9	10
	13022	19	0
Incident to loss, including use and waste of scaffolding, allowing 6 per cent.	781	7	0
Amount.	13804	6	0
Architect fees and Superintendant at 9 per cent.	1242	7	6
Total amount	15046	13	6

ON STONE-CUTTERS' WORK.

Stone-cutters' work is, for the most part, measured by the cube foot, especially Portland and all other stone imported: the principal thing to be observed, is first to ascertain the cubical contents of the stone before it is reduced, allowing reasonably for waste; then to measure the superficial faces for plain work, before it is sunk, afterwards to take one bed, and one upright joint for each stone, as plain work; then to take the plain and circular sunk work, with the straight and circular molded work: in doing which it requires particular attention to measure all the plain work which the stone-cutter is entitled to, upon their respective faces, in bringing forward the work into a state of preparation, for the sinking in the planceers of cornices,

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&c. The plain and sunk work is measured by the superficial foot, throatings and all narrow sinkings by the foot lineal measure.

The cubes or solids, are blocks of marble, or any kind of stone, as columns, cornices, &c. The superficies are flagging, slabs, chimney-pieces, &c. &c.

It is a custom in some places, and a very proper one, to measure all such stones as are imported (flagging excepted) above two inches thick, at so much per foot cube, and for the workmanship to measure the superficies of the stone, measuring only what appears on the face of walls, &c.

It is usual to measure cills, copings, steps, &c. by the foot superficial measure; but, in my opinion, it would be the fairest way to cube all those articles, and afterwards take all the plain work on each of them. In this case, the master tradesman would be paid for that solid stone, and the carriage thereon, and the employer pay only for value received; the method this work is valued, is here explained.

First—Consider the cubical measurements of the stone, or stones, and the superficial work thereon; reckoning only the exposed faces, unless in large beds, and accounting all such stones, such as Portland and other stones of high value, under two inches thick as superficial; what exceeds this or three inches, is reckoned as solid measure, and superficial so far as wrought.

Master Stone-cutters' Prices, furnishing all materials as follows.

	£.	s.	d.
The prime cost of Portland stone, including freightage, duties, landing, wharfage and profit, but exclusive of the land carriage to the place where it is to be made use of, at per cube foot.....	0	4	4
Plain work on ditto, per superficial foot....	0	1	10
Sunk work ditto, ditto	0	2	2
Circular plain work ditto, ditto	0	2	8
Circular sunk ditto, ditto	0	3	6
Straight molded ditto, ditto	0	3	0
Circular ditto, ditto	0	3	9

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Stone-Cutters' Prices continued.	£.	s.	d.
Black stone chimney pieces, with or without shelves, (and hearths) ditto, superficial foot	0	2	2
Curving hearths in ditto black, each	0	2	2
Ditto in marble, &c. each	0	2	6
Kilkenny marble chimney-pieces, with shelves per superficial foot	0	5	0
Plain Cork marble ditto, or hearth-stones ditto	0	6	0
Plain vein or dove marble chimney pieces ditto	0	7	6
Fitting and setting marble chimney-pieces, not furnished, each	0	12	0
Astrigal or other moldings on jambs and mantles, over and above the superficial, at per lineal foot	0	2	6
Moldings under shelves of chimney-pieces ditto	0	2	6
Linings, mantles, or top slips of ditto, extra each	0	5	0
Portland stone per cube foot	0	4	4
Freestone Bath stoves, 2 feet 6 inches wide, and under each	0	16	8
Ditto up to 3 feet wide, ditto	1	0	0
Ditto to 3 feet 6 inches ditto	1	2	9
Ditto and upwards, ditto	1	5	0
Ditto square ornamented coves, with inside coves complete, each	1	10	0
Black marble to mock register grates, under 6 inches broad, including ash-hole stones, per set	2	0	0
Black marble facings, 6 inches broad and upwards, ditto	2	5	6
Vein or dove marble, ditto under ditto, per set	3	0	0
Ditto 6 inches broad and upwards, ditto	3	8	3
Freestone facings to ditto grates, ditto	0	16	0
Portland stone flagging in courses one inch thick, per foot superficial	0	2	0
Scotch ditto ditto	0	1	10
Portland stone flagging, done in diagonal courses, ditto	0	3	0
Observe, if thicker than one inch, to be charged in proportion.			

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Stone-Cutters' Prices continued.	£.	s.	d.
Portland stone per cube foot	0	4	4
Portland stone cills, or plain steps for workmanship only, per foot superficial ..	0	2	6
Plain straight Portland stone, geometrical stair-cases, ditto	0	2	6
Molded ditto ditto	0	3	0
Plain circular ditto ditto	0	3	0
Molded ditto ditto	0	3	9
Straight mountain-stone, geometrical stair-cases, at per superficial foot	0	2	4
Circular ditto, ditto	0	3	0
Common mountain-stone steps and landings at hall doors, ditto	0	1	6
Ditto flagging per yard	0	12	0
Do. pallisadoes (base) molded per foot superfl.	0	2	6
Granate stone, at per cube foot	0	2	6
Plain work on ditto, at per superficial foot.	0	1	6
Sunk ditto ditto.....	0	1	10
Circular plain work ditto ditto.....	0	2	0
Circular sunk work ditto.....	0	2	6
Straight molded ditto ditto.....	0	3	9½
Circular ditto ditto.....	0	4	8
Red Cumberland flagging, per yard.....	0	9	0
White ditto ditto.....	0	10	0
Yorkshire (yellow) flagging ditto.....	0	11	0
Carlow flagging ditto from 1½ to 2 inches thick.....	0	6	6
Common ditto, squared and laid ditto	0	5	5
Black flagging ditto ditto.....	0	4	10½
Tomb stones, 8 by 4 feet, per piece.....	13	13	0
Ditto 7 by 3½ ditto.....	10	4	9
Ditto 6 by 3 ditto.....	7	19	3
Head stones ditto.....	4	0	0
All letters cut thereon, at per piece	0	0	2
All Portland stone work to be cubed in addition to the superficial measure, at per cube foot	0	4	4
Portland astrigal steps at per superficial foot	0	2	2
Plain Portland steps ditto.....	0	1	10
Portland coping ditto.....	0	1	10
Straight moldings of Portland stone ditto ..	0	2	6
Circular ditto ditto.....	0	3	0
The cube as before.			

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Stone-cutters' Prices continued.	£.	s.	d.
Slips and mantles to chimney-pieces of Portland stone	0	1	10
Ditto superficial for moldings	0	2	6
Portland slabs, at per superficial foot.....	0	1	10
Ditto shafts of columns ditto.....	0	2	6
Ditto bases and capitals ditto.....	0	3	9
Doric entablature, at per superficial foot....	0	3	0
Note.—In coping stone, barges, window-stools, & door-cills to be girthed wherever the chizel goes round the whole tooting by the full length.			
GRANATE, MOUNTAIN, OR FIRE STONE.			
Flagging from 4½ to 6 inches thick, per superficial foot	0	1	6
Window-stools and coping stone ditto	0	1	8
Plain steps ditto	0	1	9
KILGOBBIN STONE.			
Plain ashlars from 5 to 6 inches thick ditto	0	1	11
Ditto golden hill ditto.....	0	2	6
Rustic ashlars, quoins, &c. golden hill ditto	0	2	4
Ditto Kilgobbin stone ditto	0	2	2
Bonds to the above work per foot cube ---	0	3	0
Moldings for ditto, ashlars, &c. golden hill, agreeable to the design, at per superficial foot, from 3*s.* 9*d.* to.....	0	4	9

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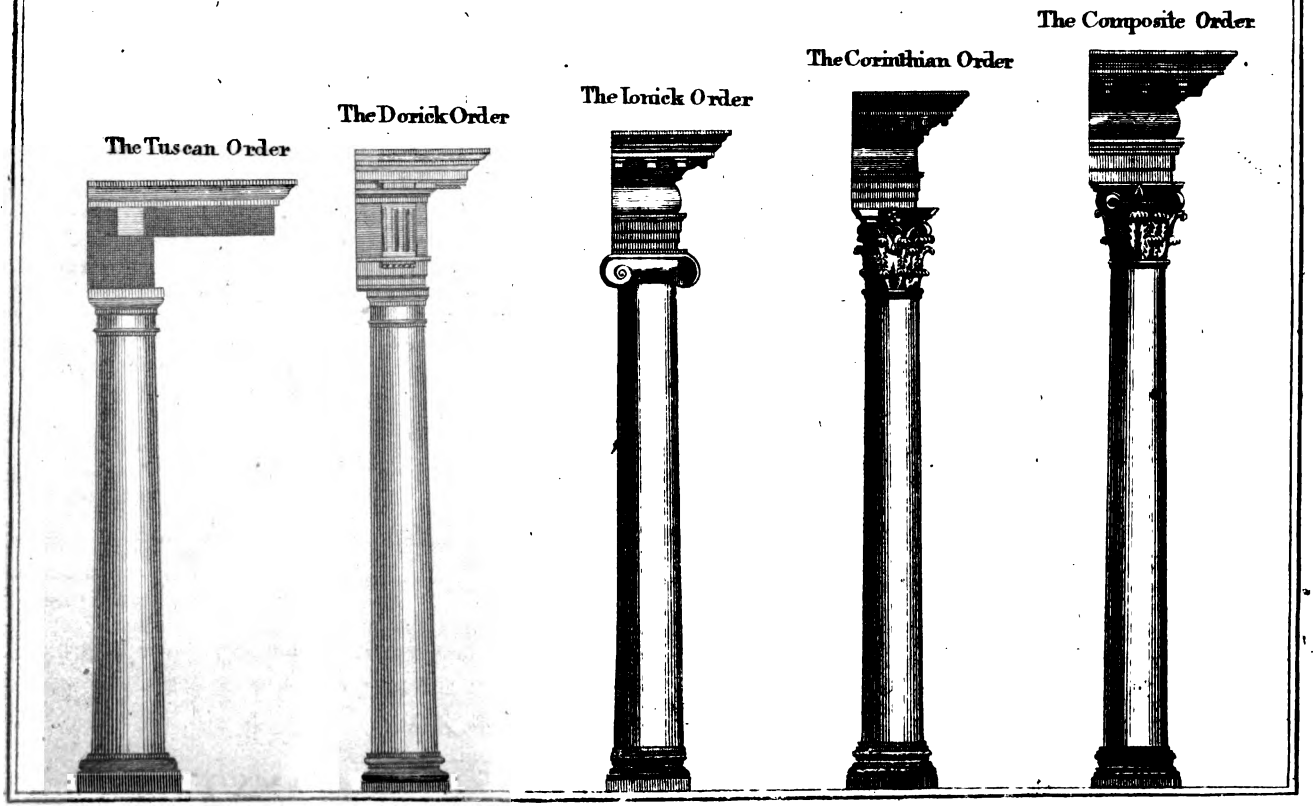
Geometrical View of the Five Orders of Architecture.



Engraved for W. Stitt's Practical Architect & Builder.

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TABLE LXXV.—*History of the five Orders of Columns in Architecture.*

OF THE TUSCAN ORDER.

THIS Order had its origin in Tuscany, a place well known in Italy, whence the name is derived.

The shaft of this Column is six diameters high, the base and capital are each half a diameter, so that, including base and capital, it is seven diameters high; it diminishes one-fourth of the diameter: the principal parts thereof, are as follows, viz.

	By the London Art Method.					*By Mr. Gibbs'.*					*By Builders' Repository.*				
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod. Min.		Mod.	Min.	Min.	Mod. Min.	
Entablature.	Cornice,	0	44	105 or	1 45	0	45	105 or	1 45		0	45	105 or	1 45	
	Freeze,	0	26			0	30				0	30			
	Architraves..	0	35			0	30				0	30			
Column.	Capital	0	30	420 or	7 0	.....		420 or	7 0		.....		420 or	7 0	
	Shaft.....	6	0												
	Base.....	0	30												
				525 or	8 45										
Pedestal.	Cornice....	0	15	120 or	2 0	0	$16\frac{1}{6}$	$131\frac{1}{4}$ or	2 $11\frac{1}{4}$		0	22	$131\frac{1}{4}$ or	2 $11\frac{1}{4}$	
	Body, or die	1	15			1	11				1	$5\frac{1}{2}$			
	Base & plinth	0	30			0	$43\frac{7}{8}$				0	$43\frac{3}{4}$			
			Total	645 or	10 45		Tatal	$656\frac{1}{4}$ or	10 $56\frac{1}{4}$			Total	$656\frac{1}{4}$ or	10 $56\frac{1}{4}$	

So that the whole heighth of this column and entablature, (exclusive of the pedestal) by the London Art method, is *525* minutes, or 8 modules *45* minutes; and with its pedestal, *645* minutes, or 10 diameters *45* minutes.

Note.—That the module made use of in this Treatise, is the whole diameter of the column taken just above the base, and divided into 60 parts, called minutes.

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TABLE LXXVI.

Shewing the value of a Tuscan Column, eight inches diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 1 foot 4 inches, Column 4 feet 8 inches, Entablature 1 foot 2 inches. Total heighth 7 feet 2 inches, including base and capital.

Cube Measurement.	Height			Breadth.			Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
Pedestal.	F.	I.		F.	I.	F. I.	F.	I.		At per.	Amount.		At per.	Amount.	
										s. *d.*	£.	*s.* *d.*	*s.* *d.*	£.	*s.* *d.*
Base & Plin.	0	6	by	1	2	by 1 2	0	8							
Cornice ...	0	3	..	1	2	.. 1 2	0	4							
Body or die	0	10	..	0	11	.. 0 11	0	8							
Column.							1	8	Cube measure in pedestal...	4 4	0	7 2½	2 6	0	4 2
Base & Plin.	0	4	..	0	11	.. 0 11	0	3							
Capital....	0	5	..	0	10	.. 0 10	0	3							
Shaft	4	1	..	0	10	.. 0 10	2	0½							
One foot of Entablature.							3	5	Ditto in column	4 4	0	14 9½	2 6	0	8 7½
Architrave	0	5	..	0	7	.. 1 0	0	3							
Freeze	0	5	..	0	6	.. 1 0	0	2½							
Cornice....	0	7	..	1	2	.. 1 0	0	8							
							1	1½	Ditto in entablature	4 4	0	4 10	2 6	0	2 9½
									Carried forward.	- - -	1	6 10	- - -	0	15 7

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Table LXXVI. *continued.*

		Times.	Breadth.		Contents.		Description of Work.	Value in Portland.			Value in Granate.		
								At per.	Amount.		At per.	Amount.	
	Pedestal.		F. I.	F. I.	F.	I.		s. d.	£. s.	d.	s. d.	£. s.	d.
Superficial in Beds.	Base, Plinth & Cornice.	2	1 1	by 1 1	2	4	*Brought forward.*	....	1 6	10	....	0 15	7
	Body or die.	- - -	0 10	.. 0 10	0	8							
	Column.				3	0	Superficial in beds of pedestal	1 4	0 4	0	1 1	0 3	3
	Base & Plin.	- - -	0 10	.. 0 10	0	8							
	Capital	- - -	0 9	.. 0 9	0	7							
	Shaft	- - -	0 9	.. 0 9	0	6½							
	Entablature.				1	9½	Ditto of column, including lead and dowels	5 0	0 8	11½	4 6	0 8	0½
	Architrave.	- - -	0 8	.. 1 0	0	8							
	Freeze	- - -	0 4	.. 1 0	0	4							
	Cornice	- - -	1 0	.. 1 0	1	0							
Sup. exposed wk.	*Pedestal.*				2	0	Ditto of entablature	2 8½	0 5	5	2 3	0 4	6
	Plinth	4	0 4	.. 1 1½	1	6	Superficial of plain plinth to pedestal	2 0	0 3	0	1 6	0 2	3
							Carried over.	....	2 8	2½	....	1 13	7½

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Table LXXVI. *continued.*

Superficial of exposed work.

Pedestal continued.	Times.	Breadth. F. I	F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Base.....	4	0 2½ by	1 1	0 10					
Cornice....	4	0 5 ..	1 1	1 9	*Brought over.*	- - -	2 8 2½	- - -	1 13 7½
				2 7	Molded base and cornice ..	2 6	0 6 5½	2 0	0 5 2
Body or die,	4	0 8½ ..	0 11	2 7	Plain work on die	2 0	0 5 2	1 6	0 3 10½
Column.									
Plinth	4	0 2½ ..	0 11	0 9	Plain plinth to column	2 6	0 1 10½	2 0	0 1 6
Base.....	- - -	0 2½ ..	2 11	2 11	Lineal of molded base do...	1 0	0 2 11	0 10	0 2 5
Capital.....	- -	0 4 ..	2 2	0 8					
Abacus....	4	0 3 ..	0 9	0 9					
				1 5	Superfl. of molded capital do.	3 0	0 4 3	2 6	0 3 6½
Shaft.....	- - -	3 11 ..	2 2	8 6	Sunk work on shaft ditto ..	3 0	1 5 6	2 3	0 19 1½
					Carried forward.	- -	4 14 4½	- - -	3 9 3

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Superficial of Exposed Work.	Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Column. continued.																		
								Brought forward.	....		4	14	4½	....		3	9	3
Cincture & Astrigal..	- - -	0	1½ by	2	0	2	0	Lineal of cincture and astrigal ditto	1	4	0	2	8	1	0	0	2	0
Entablature.																		
Architrave.	- - -	0	6 ..	1	0	0	6	Superficial of molded architrave	2	6	0	1	3	2	0	0	1	0
Plain face..	- - -	0	4 ..	1	0	0	4											
Do. soffit..	- - -	0	7 ..	1	0	0	7											
Freeze	- - -	0	4 ..	1	0	0	4											
						1	3	Ditto plain ditto and freeze.	2	0	0	2	6	1	6	0	1	10½
Cornice....	- - -	0	11 ..	1	0	0	11	Ditto of cornice.....	3	0	0	2	9	2	6	0	2	3½
Plain top bed.....	- - -	1	0 ..	1	0	1	0	Plain ditto on top bed ditto.	1	4	0	1	4	1	1	0	1	1
								Total amount.	....		5	4	10½	....		3	17	6
								If no pedestal, deduct	....		1	15	10	....		0	18	8½
								Nett amount.	....		3	19	0½	....		2	18	9½

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TABLE LXXVII.

The Value of a Tuscan Column one foot diameter, including Pedestal and Entablature, the heighths as follows, viz.—The Pedestal 2 feet, Column 7 feet, Entablature 1 foot 9 inches. Total heighth, 10 feet 9 inches, including base and capital.

Cube Measurement.		Height			Breadth.				Contents.		Description of Work.	Value in Portland.			Value in Granate.		
	Pedestal.											At per.	Amount.		At per.	Amount.	
		F.	I.		F.	I.	F.	I.	F.	I.		s. d.	£. s. d.		s. d.	£. s. d.	
	Base & Plin.	0	9	by	1	9	by 1	9	2	3							
	Cornice ...	0	4	..	1	9	— 1	9	1	0							
	Body or die.	1	3	..	1	5	— 1	5	2	6							
	Column.								5	9	Cube measure in pedestal ...	4 4	1 4 11		2 6	0 14 4½	
	Base & Plin.	0	6	..	1	5	— 1	5	1	0							
	Capital....	0	7½	..	1	3	— 1	3	1	0							
	Shaft	6	2	..	1	3	— 1	3	9	7							
	Entablature.								11	7	Ditto in column	4 4	2 10 2		2 6	1 8 11½	
	Architrave	0	8	..	0	11	— 1	0	0	7½							
	Freeze	0	7	..	0	9	— 1	0	0	5½							
	Cornice ..	0	10	..	1	9	— 1	0	1	5½							
									2	6	Do. in 1 foot of entablature	4 4	0 10 10		2 6	0 6 3	
											Carried forward.	- - -	4 5 11		- - -	2 9 7	

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Table LXXVII. *continued.*

Superficial in Beds.		Times.	Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
	Pedestal																			
	Base and Cornice ..	2	1	8	by	1	8	5	6½	*Brought forward.*	....		4	5	11	....		2	9	7
	Die	....	1	3	..	1	3	1	6½											
	Column.							7	1	Supfl. in beds of pedestal ...	1	4	0	9	5	1	1	0	7	8
	Base&Plin	....	1	3	..	1	3	1	6½											
	Capital....	....	1	1	..	1	1	1	2											
	Shaft	....	1	1	..	1	1	1	2											
	Entablature.							3	10½	Ditto in ditto column, including lead and dowels ..	5	0	0	19	4½	4	6	0	17	5
	Architrave .	....	1	0	..	1	0	1	0											
	Freeze	....	0	6	..	1	0	0	6											
	Cornice ...	....	1	6	..	1	0	1	6											
								3	0	Do. one foot of Entablature	2	8½	0	8	1½	2	3	0	6	9
										Carried over.	....		6	2	10	....		4	1	5

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Table LXXVII. *continued.*

Superficial of exposed Work.	Times.	Breadth.				Contents.		Description of Work.	Value in Portland. At per.		Value in Portland. Amount.			Value in Granate. At per.		Value in Granate. Amount.		
		F.	I.		F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
Pedestal.																			
Base.....	4	0	4	by	1	8	2	3											
Cornice ...	4	0	8	..	1	8	4	5	*Brought over.*	-	-	-	6	2	10	-	-	-	4	1	5
							6	8	Molded work on Pedestal.	2	6		0	16	8	2	0		0	13	4
Plinth	4	0	6	..	1	8	3	4											
Die	4	1	1	..	1	4	5	9											
							9	1	Plain ditto.....	2	0		0	18	2	1	6		0	13	7½
Column.																			
Plinth	4	0	4	..	1	4	1	9	Of plain plinth to column..	2	6		0	4	4½	2	0		0	3	6
Base.....	....	0	4	..	4	4	1	5											
Capital....	....	0	7	..	3	3	1	10											
Abacus....	4	0	4	..	1	1	1	5											
							4	8	Molded work on ditto	3	0		0	14	0	2	6		0	11	8
Shaft	....	5	9	..	3	1	17	8	Sunk work on shaft	3	0		2	13	0	2	3		1	19	9
Cinct. and astrigal.	....	0	4	..	3	0	1	0	Of cincture and astrigal ..	3	6		0	3	6	3	0		0	3	0
									Carried forward.	-	-	-	11	12	6½	-	-	-	8	6	3½

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Table LXXVII. *continued.*

Superficial of exposed Work.

	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*				*Value in Granate.*			
		F.	I.	F.	I.	F.	I.		At per.		Amount.		At per.		Amount.	
Entablature.									*s.*	*d.*	*£.*	*s.* *d.*	*s.*	*d.*	*£.*	*s.* *d.*
								Brought forward.	- - -		11	12 6½	- - -		8	6 3½
Architrave .	- - -	0	9	by 1	0	0	9	Supfl. of molded architrave.	2	6	0	1 10½	2	0	0	1 6
Plain face ..	- - -	0	6	— 1	0	0	6									
Soffit	- - -	0	10	— 1	0	0	10									
Freeze	- - -	0	6	— 1	0	0	6									
						1	10	Ditto plain work	2	0	0	3 8	1	6	0	2 9
Cornice	- - -	1	5	— 1	0	1	5	Cornice to ditto	3	0	0	4 3	2	6	0	3 6½
Plain top ..	- - -	1	6	— 1	0	1	6	Plain top bed ditto	1	4	0	2 0	1	1	0	1 7½
								Total amount.	....		12	4 4	- - -		8	15 9
								If no pedestal, deduct.....	....		3	11 2	....		2	9 0
								Nett amount.	....		8	13 2	....		6	6 9

H 2

TABLE LXXVIII.

The Value of a Tuscan Column, 1 foot 6 inches diameter, including Pedestal and Entablature, the heighth as follows, viz.—The Pedestal 3 feet, Column 10 feet 6 inches, Entablature 2 feet 7½ inches. Total heighth 16 feet 1½ inches, including base and capital.

Cube Measurement.

	Height			Breadth.				Contents		Description of Work.	Value in Portland.						Value in Granate.					
Pedestal.											At per.		Amount.				At per.		Amount.			
	F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.		s.	d.	£.	s.	d.	
Base & plin.	1	2	by	2	7	by 2	7	7	9													
Cornice. . .	0	6	—	2	7	— 2	7	3	4													
Die	1	10	—	2	1	— 2	1	7	11													
Column.								19	0	Cube measure in pedestal . .	4	4	4	2	6		2	6	2	7	6	
Base & plin.	0	10	—	2	1	— 2	1	3	7													
Capital. . . .	0	10	—	1	10	— 1	10	2	9													
Shaft	4	8	—	1	10	— 1	10	15	8													
Ditto	4	8	—	1	5	— 1	5	9	4													
One foot of Entablature.								31	4	Ditto in column	4	4	6	15	9		2	6	3	18	4	
Architrave..	0	10	—	1	4	— 1	0	1	1													
Freeze	0	10	—	1	2	— 1	0	1	0													
Cornice. . . .	0	10	—	2	3	— 1	0	1	10													
Die	0	5½	—	2	10	— 1	0	1	1													
								5	0	Do. in 1 foot of entablature.	4	4	1	1	8		2	6	0	12	6	
										Carried forward.	- - -		11	19	11		- - -		6	18	4	

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Table LXXVIII. *continued.*

Superficial in Beds.

Pedestal.	Times.	Breadth. F. I.		Contents F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plin. base, & cornice	2	2 6 by 2 6		12 6					
Die	....	2 0 .. 2 0		4 0	*Brought forward.*	- - -	11 19 11	- - -	6 18 4
Column.				16 6	Superfl. in beds of pedestal .	1 4	1 2 0	1 1	0 17 4
Base & plin.	....	2 0 .. 2	0	4 0					
Capital....	....	1 10 .. 1	10	3 4					
Shaft	....	1 9 .. 1	9	3 1					
Ditto	....	1 4 .. 1	4	1 9					
Entablature.				12 2	Ditto of column, including lead and dowels	5 0	3 0 10	4 6	2 14 9
Architrave .	....	1 6 .. 1	0	1 6					
Freeze	....	0 9 .. 1	0	0 9					
Cornice ...	....	1 3 .. 1	0	1 3					
Ditto	....	2 0 .. 1	0	2 0					
				5 6	Ditto 1 foot of entablature	2 8½	0 14 10½	2 3	0 12 4½
					Carried over.	- - -	16 17 7½	- - -	11 2 9½

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Table LXXVIII. *continued.*

Superficial of exposed Work.		Times.	Breadth. F. I.		Breadth. F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	*Value in Portland.* Amount. £. s. d.	*Value in Granate.* At per. s. d.	*Value in Granate.* Amount. £. s. d.
	Pedestal.						*Brought over.*	....	16 17 7½	....	11 2 9½
	Plinth	4	0 9	by	2 6	7 6	Plain plinth to pedestal....	2 0	0 15 0	1 6	0 11 3
	Base	4	0 6	..	2 6	5 0					
	Cornice...	4	1 0	..	2 6	10 0					
						15 0	Molded work ditto.....	2 6	1 17 6	2 0	1 10 0
	Die	4	1 7	..	2 0	12 8	Plain work on die.....	2 0	1 5 4	1 6	0 19 0
	Column.										
	Plinth	4	0 6	..	2 0	4 0	Plain plinth to column.....	2 6	0 10 0	2 0	0 8 0
	Base	....	0 5	..	6 6	2 9	Molded base ditto	3 0	0 8 3	2 3	0 6 2
	Capital ...	....	0 9	..	4 11	3 8					
	Abacus ...	4	0 6	..	1 9	3 6					
						7 2	Ditto capital ditto	3 0	1 1 6	2 3	0 16 1½
							Carried forward.	....	22 15 2½	....	15 13 4

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Table LXXVIII. *continued.*

Superficial of exposed Work.	Column continued.	Times.	Breadth. F.	I.		F.	I.	Contents. F.	I.	Description of Work.	Value in Portland. At per. s.	d.	Amount. £.	s.	d.	Value in Granate. At per. s.	d.	Amount. £.	s.	d.
	Shaft.....	....	4	6	..	5	0	22	6											
	Ditto.....	....	4	4	..	4	8	20	2											
										Brought forward.	....		22	15	2½	....		15	18	4
	Cincture & astrigal..	....	0	6	..	4	6	42 2	8 3	Sunk work on shaft.....	3	0	6	8	0	2	3	4	16	0
										Cincture and astrigal.....	3	6	0	7	10½	3	0	0	6	9
	Entablature.																			
	Architrave	....	1	0	by	1	0	1	0	Architrave to entablature...	2	6	0	2	6	2	0	0	2	0
	Inside face	....	0	9	..	1	0	0	9											
	Soffit.....	....	1	2	..	1	0	1	2											
	Freeze....	....	0	9	..	1	0	0	9											
								2	8	Plain work ditto.....	2	0	0	5	4	1	6	0	4	0
	Cornice...	....	2	2	..	1	0	2	2	Cornice ditto	3	0	0	6	6	2	6	0	5	5
	Plain top..	....	2	3	..	1	0	2	3	Plain top bed ditto.....	1	4	0	3	0	1	1	0	2	3
										Total amount..	....		30	8	5	....		21	9	9
										If no pedestal, deduct	....		9	2	4	....		6	5	1
										Nett amount ..	....		21	6	1	....		15	4	8

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TABLE LXXIX.

A Tuscan Column 2 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 4 feet, Column 14 feet, Entablature 3 feet 6 inches. Total height 21 feet 6 inches, including base and capital.

Cube Measurement.

	Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granate.			
Pedestal.	F.	I.		F.	I.	F.	I.	F.	I.		At per.		Amount.			At per.		Amount.		
											s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
Base & plin.	1	5	by	3	6	by 3	6	17	4											
Cornice ...	0	7	..	3	6	.. 3	6	7	2											
Die	2	5	..	2	10	.. 2	10	19	4											
Column.								43	10	Cube measure in pedestal...	4	4	9	10	0	2	6	5	9	7
Base & plin.	1	0	..	2	10	.. 2	10	8	0											
Capital....	1	1	..	2	5	.. 2	5	6	4											
Shaft	4	3	..	2	5	.. 2	5	26	10											
Ditto	4	0	..	1	10	.. 1	10	13	5											
Ditto	4	2	..	2	1	.. 2	1	18	1											
One foot of Entablature.								72	8	Ditto in column	4	4	15	14	10½	2	6	9	1	8
Architrave	1	3	..	2	0	.. 1	0	2	6											
Freeze	1	3	..	1	9	.. 1	0	1	8											
Cornice ...	1	3	..	3	0	.. 1	0	3	9											
Ditto	0	8	..	3	6	.. 1	0	2	4											
								10	3	Do. in 1 foot of entablature	4	4	2	4	5	2	6	1	5	7½
										Carried over.	-	-	-	27	9	3½	-	-	-	15	16	10½

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Table LXXIX. *continued.*

Superficial of Beds.

Pedestal.	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
		F.	I.		F.	I.	F.	I.		At per.	Amount.		At per.	Amount.	
Plinth, base, & cornice.	2	3	5	by	3	5	23	4		*s.* *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
Die.....	....	2	9	..	2	9	7	6½	*Brought over.*	....	27 9 3½		....	15 16 10½	
Column.							30	10½	Supfl. in beds of pedestal...	1 4	2 1 2		1 1	1 13 5	
Base & plin.	....	2	9	..	2	9	7	6½							
Capital.....	....	2	4	..	2	4	5	5							
Shaft	....	2	4	..	2	4	5	5½							
Ditto.....	....	1	9	..	1	9	3	0							
Ditto.....	....	2	0	..	2	0	4	0							
Entablature.							25	5	Ditto of column, including lead and dowels.....	5 0	6 7 1		4 6	5 14 4½	
Architrave.	....	1	10	..	1	0	1	10							
Freeze....	....	1	0	..	1	0	1	0							
Cornice...	....	2	0	..	1	0	2	0							
Ditto.....	....	2	6	..	1	0	2	6							
							7	4	Do. one foot of entablature.	2 8½	0 19 10		2 3	0 16 6	
									Carried forward.		36 17 4½		....	24 1 2	

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Table LXXIX. *continued.*

Superficial of exposed Work.		Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
										At per.		Amount.	At per.		Amount.
	Pedestal.		F.	I.	F.	I.	F.	I.		*s.*	*d.*	£. *s.* *d.*	*s.*	*d.*	£. *s.* *d.*
									Brought over.	....		36 17 4½	....		24 1 2
	Plinth	4	1	0	by 3	5	13	8	Plain plinth to pedestal.....	2	0	1 17 4	1	6	1 0 6
	Base.....	4	0	8	.. 3	5	5	10							
	Cornice ...	4	1	4	.. 3	5	18	3							
							24	1	Molded work on ditto	2	6	3 0 2½	2	0	2 8 2
	Die	4	2	4	.. 2	9	25	8	Plain work on die	2	0	2 11 4	1	6	1 18 6
	Column.														
	Plinth	4	0	8	.. 2	9	7	4	Of plain plinth to column..	2	6	0 18 4	2	0	0 14 8
	Base.....	....	0	7	.. 8	9	5	1							
	Capital....	....	1	0	.. 6	6	6	6							
	Abacus....	4	0	8	.. 2	2	5	9							
	Cinct. and astrigal.	....	0	8	.. 6	0	4	0							
							21	4	Molded work ditto	3	0	3 4 0	2	3	2 8 0
									Carried forward.	....		48 8 7	....		32 11 0

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Table LXXIX. *continued.*

Superficial of exposed Work.	Times.	Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Column. continued.																			
Sunk work	....	4	0	by	6	2	24	8	*Brought forward.*	....		47	18	7	....		32	11	0
Ditto	....	4	0	..	6	0	24	0											
							48	8	Sunk work on shaft	3	0	7	6	0	2	3	5	9	6
Plain ditto	....	4	0	..	5	8	22	8	Plain work ditto	2	6	2	16	8	2	0	2	5	4
Entablature.																			
Architrave	....	1	4	..	1	0	1	4	Architrave to entablature	2	6	0	3	4	2	0	0	2	8
Cornice	....	3	0	..	1	0	3	0	Cornice to ditto	3	0	0	9	0	2	6	0	7	6
Inside face	....	1	0	..	1	0	1	0											
Soffit	....	1	6	..	1	0	1	6											
Freeze	....	1	0	..	1	0	1	0											
							3	6	Plain work on ditto	2	0	0	7	0	1	6	0	5	3
Plain top	....	3	0	..	1	0	3	0	Plain top bed ditto	1	4	0	4	0	1	1	0	3	3
									Total amount	....		59	4	7	....		41	4	6
									If no pedestal, deduct	....		18	10	0½	....		12	10	2
									Nett amount	....		40	14	6½	....		28	14	4

21

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TABLE LXXX.

A Tuscan Column 2 feet 6 inches diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 5 feet, Column 17 feet 6 inches, Entablature 4 feet 4½ inches. Total height 26 feet 10½ inches, including base and capital.

Cube Measurement.		Height			Breadth.				Contents		Description of Work.	Value in Portland.				Value in Granate.			
	Pedestal.											At per.		Amount.		At per.		Amount.	
		F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s. d.	s.	d.	£.	s. d.
	Base & plin.	1	10	by	4	4	by 4	4	34	5									
	Cornice . . .	0	9	..	4	4	.. 4	4	13	1									
	Die	3	0	..	3	6	.. 3	6	37	9									
	Column.								85	3	Cube measure in pedestal . .	4	4	18	9 5	2	6	10	13 1½
	Base & plin.	1	2	..	3	6	.. 3	6	14	3									
	Capital	1	4	..	3	1	.. 3	1	12	8									
	Shaft	5	2	..	2	11	.. 2	11	44	0									
	Ditto	10	4	..	2	6	.. 2	6	64	7									
	One foot of Entablature.								135	6	Ditto in column	4	4	29	7 2	2	6	16	18 9
	Architrave	1	6	..	2	5	.. 1	6	3	7									
	Freeze	1	6	..	2	2	.. 1	0	3	3									
	Cornice . . .	1	6	..	3	8	.. 1	0	5	6									
	Ditto	0	11	..	4	1	.. 1	0	3	8									
									16	0	Ditto in one foot of entab.	4	4	3	9 4	2	6	2	0 0
											Carried forward	....		51	5 11	....		29	11 10½

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Table LXXX. *continued.*

Superficial of Beds.

Pedestal.	No. of times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*			
		F.	I.		F.	I.	F.	I.		At per.		Amount.		At per.		Amount.	
Base, plinth & cornice	2	4	3	by	4	3	36	1		*s.*	*d.*	£.	*s.* *d.*	*s.*	*d.*	£.	*s.* *d.*
Die.....	- - -	3	5	..	3	5	11	8	*Brought forward*	....		51	5 11	....		29	11 10½
Column.							47	9	Superficial in beds of pedestal	1	4	3	3 8	1	1	2	11 8½
Base & plin.	- - -	3	4	..	3	4	11	1									
Capital.....	- - -	3	0	..	3	0	9	0									
Shaft.....	- - -	2	10	..	2	10	8	0									
Ditto.....	2	2	5	..	2	5	11	8									
Entablature.							39	9	Ditto of column, including lead and dowels	5	0	9	18 9	4	6	8	18 10½
Architrave.	- - -	2	4	..	1	0	2	4									
Freeze....	- - -	1	6	..	1	0	1	6									
Cornice....	- - -	2	6	..	1	0	2	6									
Ditto.....	- - -	3	3	..	1	0	3	3									
							9	7	Ditto 1 foot of entablature..	2	8½	1	5 11½	2	3	1	2 0½
									Carried over	....		65	14 3½	....		42	4 6

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Table LXXX. *continued.*

Superficial of exposed Work.

	Times.	Breadth. F. I.		Breadth. F. I.	Contents F. I.	Description of Work.	Value in Portland. At per. s. d.	Value in Portland. Amount. £. s. d.	Value in Granate. At per. s. d.	Value in Granate. Amount. £. s. d.
Pedestal.										
						Brought over	....	65 14 3½	....	42 4 6
Plinth.....	4	1 3	by	4 3	21 3	Plain plinth to pedestal	2 0	2 2 6	1 6	1 11 10½
Base.....	4	0 10	..	4 3	14 2					
Cornice....	4	1 8	..	4 3	28 4					
					42 6	Molded work on ditto	2 6	5 6 3	2 0	4 5 0
Die.....	4	2 11	..	3 5	39 10	Plain work on die of ditto..	2 0	3 19 8	1 6	2 19 9
Column.										
Plinth.....	4	0 10	..	3 4	11 1	Plain plinth to column.....	2 6	1 7 8½	2 0	1 2 2
Base.....	....	0 9	..	10 10	8 0					
Capital....	....	1 3	..	9 0	11 3					
Abacus....	4	0 10	..	2 11	9 8					
Cincture & astrigal ..	....	0 10	..	7 6	6 3					
					35 2	Molded work ditto (circular) abacus excepted	3 0	5 5 6	2 3	3 19 1½
						Brought forward.	....	83 15 11	....	56 2 5

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Table LXXX. *continued.*

Superficial of exposed work.

Column continued.	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
		F.	I.		F.	I.	F.	I.		At per.		Amount.			At per.		Amount.		
Sunk work..	....	5	1	by	8	0	40	8										
Ditto.....	....	5	1	..	7	9	39	4										
										s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
									Brought forward	....		83	15	11	....		56	2	5
							80	0	Sunk work on shaft ditto...	3	0	12	0	0	2	3	9	0	0
Plain work	....	5	0	..	7	9	38	9	Plain work on ditto.....	2	6	4	16	$10\frac{1}{2}$	2	0	3	17	6
Entablature.																			
Architrave..	....	1	8	..	1	0	1	8	Architrave to entablature ..	2	6	0	4	2	2	0	0	3	4
Cornice....	....	3	6	..	1	0	3	6	Cornice ditto	3	0	0	10	6	2	6	0	8	9
Inside face .	....	1	3	..	1	0	1	3											
Soffit.....	....	2	0	..	1	0	2	0											
Freeze	....	1	3	..	1	0	1	3											
							4	6	Plain work ditto	2	0	0	9	0	1	6	0	6	9
Plain top..	....	3	9	..	1	0	3	9	Plain top bed ditto.....	1	4	0	5	0	1	1	0	4	$0\frac{1}{2}$
									Total amount	....		102	1	$5\frac{1}{2}$	....		70	2	$9\frac{1}{2}$
									If no pedestal, deduct	....		33	2	6	....		22	1	$5\frac{1}{2}$
									Nett amount	....		68	18	$11\frac{1}{2}$	....		48	1	4

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TABLE LXXXI.

A Tuscan Column 3 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 6 feet, Column 21 feet, Entablature 5 feet 3 inches. Total height 32 feet 3 inches, including base and capital.

Cube Measurement.	Height			Breadth.				Contents		Description of Work.	Value in Portland.				Value in Granate.			
Pedestal.	F.	I.		F.	I.		F.	I.	F. I.		At per.	Amount.			At per.	Amount.		
											s. d.	£.	s.	d.	s. d.	£.	s.	d.
Base & plin.	2	4	by	5	4	by	5	4	66 4									
Cornice . . .	1	0	..	5	4	..	5	4	28 5									
Body or die	3	8	..	4	1	..	4	1	64 9									
Column.									159 6	Cube measure in pedestal . . .	4 4	34	11	2	2 6	19	18	9
Base & plin.	1	7	..	4	1	..	4	1	26 6									
Capital	1	8	..	3	8	..	3	8	22 4									
Shaft	4	9	..	3	7	..	3	7	61 0									
Ditto	9	0	..	3	1	..	3	1	85 6									
Ditto	4	9	..	2	11	..	2	11	40 4									
One foot of Entablature.									235 8	Ditto in column	4 4	51	1	2½	2 6	29	9	2
Architrave	1	8	..	2	10	..	1	0	4 9									
Freeze	1	7	..	2	4	..	1	0	3 8									
Cornice	1	8	..	4	1	..	1	0	6 9									
Ditto	0	11	..	4	7	..	1	0	4 2									
									19 4	Do. 1 foot of entablature . .	4 4	4	3	9	2 6	2	8	4
										Carried forward	....	89	16	1½	....	51	16	3

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Table LXXXI. *continued.*

Superficial of Beds.		Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
	Pedestal.										
	Base, plinth & cornice.	2	5 2	by 5	2	53 4	*Brought forward*	....	89 16 1½	....	51 16 3
	Die.....	....	4 0	.. 4	0	16 0					
	Column.					69 4	Superficial in beds of pedestal.....	1 4	4 12 5	1 1	3 15 1
	Base & plin.	....	4 0	.. 4	0	16 0					
	Capital....	....	3 6	.. 3	6	12 3					
	Shaft.....	....	3 6	.. 3	6	12 3					
	Ditto.....	2	3 0	.. 3	0	18 0					
	Ditto.....	....	2 10	.. 2	10	7 0					
	Entablature.					65 6	Ditto of column, including lead and dowels.....	5 0	16 7 6	4 6	14 4 9
	Architrave.	....	2 9	.. 1	0	2 9					
	Freeze....	....	1 8	.. 1	0	1 8					
	Cornice....	....	3 0	.. 1	0	3 0					
	Ditto.....	....	4 0	.. 1	0	4 0					
						11 5	Ditto 1 foot of entablature..	2 8½	1 10 11	2 3	1 5 8
							Carried over	....	112 6 11½	....	71 1 9

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Table LXXXI. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth.	Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
					At per.	Amount.	At per.	Amount.
		F. I. F. I.	F. I.		*s. d.*	*£. s. d.*	*s. d.*	*£. s. d.*
Plinth	4	1 6 by 5 2	31 0					
Die.....	4	3 6 .. 4 0	56 0	*Brought over*	....	112 6 11½	....	71 1 9
			87 0	Plain work on pedestal	2 0	8 14 0	1 6	6 10 6
Base.....	4	1 1 .. 5 2	21 4					
Cornice....	4	2 0 .. 5 2	41 4					
Column.			62 8	Molded ditto	2 6	7 16 8	2 0	6 5 4
Plinth	4	1 0 .. 4 0	16 0	Plain plinth to column	2 6	2 0 0	2 0	1 12 0
Base.....	....	1 0 ..12 6	12 6					
Capital.....	....	1 5¾.. 9 10	14 5					
Abacus....	4	1 0 .. 3 8	14 8					
Cincture & astrigal..	....	1 0 .. 9 0	9 0					
			50 7	Molded work ditto.....	3 0	7 11 9	2 3	6 6 3½
Sunk work.	....	4 6 .. 9 9	43 10					
Ditto	....	4 6 .. 9 4	42 0					
			85 10	Sunk work on shaft	3 0	12 17 6	2 3	9 13 0½
				Carried forward	....	151 6 10½	....	101 8 11

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Table LXXXI. *continued.*

Superficial of exposed Work.

Column continued.	Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
								Brought forward	....		151	6	10½	....		101	8	11
Plain shaft	....	9	0 by	9	0	81	0	Plain work on shaft.....	2	6	10	2	6	2	0	8	2	0
Entablature.																		
Architrave.	....	2	0 ..	1	0	2	0	Architrave to entablature ..	2	6	0	5	0	2	0	0	4	0
Cornice...	....	4	4 ..	1	0	4	4	Cornice to ditto	3	0	0	13	0	2	6	0	10	10
Inside face.	....	1	6 ..	1	0	1	6											
Soffit.....	....	2	4 ..	1	0	2	4											
Freeze....	....	1	6 ..	1	0	1	6											
						5	4	Plain work on ditto.....	2	0	0	10	8	1	6	0	8	0
Plain top..	....	4	6 ..	1	0	4	6	Plain top bed to ditto.....	1	4	0	6	0	1	1	0	4	10½
								Total amount	....		163	4	0½	....		110	18	7½
								If no pedestal deduct.....	....		55	14	3	....		36	9	8
								Nett amount	....		107	9	9½	....		74	8	11½

2 K

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TABLE LXXXII.

A Tuscan Column 3 feet 6 inches diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 7 feet, Column 24 feet 6 inches, Entablature 6 feet 1 inch. Total height 37 feet 7 inches, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.	F.	I.	Contents. F.	I.
Base & plin.	2	8	by	6	1	by 6	1	98	8
Cornice . . .	1	2	..	6	1	.. 6	1	43	2
Die	4	3	..	4	10	.. 4	10	99	3
Column.								241	1
Base & plin.	1	9	..	4	10	.. 4	10	40	9
Capital	1	10	..	4	3	.. 4	3	34	1
Shaft	5	6	..	4	1	.. 4	1	91	8
Ditto	5	6	..	3	7	.. 3	7	70	7
Ditto	5	2	..	3	4	.. 3	4	57	4
Ditto	5	2	..	3	2	.. 3	2	51	9
One foot of Entablature.								346	2
Architrave	2	1	..	3	3	.. 1	0	6	9
Freeze	2	1	..	2	10	.. 1	0	5	10
Cornice ..	2	1	..	4	9	.. 1	0	9	10
Ditto	1	1	..	5	6	.. 1	0	6	0
								27	5

Description of Work.	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Cube measure in pedestal ...	4	4	52	4	8	2	6	30	2	8½
Ditto in column	4	4	75	0	0½	2	6	43	5	5
Do. in 1 foot of entablature	4	4	5	18	9½	2	6	3	8	6½
Carried forward	....		133	3	6	....		76	16	8

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Table LXXXII. *continued.*

Superficial of Beds.

Pedestal.	Times.	Breadth. F.	I.		F.	I.	Contents F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Base, plinth & cornice	2	6	0	by 6	0		72	0											
Die	....	4	9	.. 4	9		22	6	*Brought forward*	....		133	3	6	....		76	16	8
Column.							94	6	Superfl. in beds of pedestal .	1	4	6	19	4	1	1	5	13	2½
Base & plin.	....	4	9	.. 4	9		22	6											
Capital	....	4	2	.. 4	2		17	4											
Shaft	....	4	0	.. 4	0		16	0											
Ditto	....	3	6	.. 3	6		12	3											
Ditto	2	3	2	.. 3	2		20	1											
Entablature.							88	2	Ditto of column, including lead and dowels	5	0	22	2	6	4	6	19	16	9
Architrave .	....	3	2	.. 1	0		3	2											
Freeze	....	2	9	.. 1	0		2	9											
Cornice ...	....	3	0	.. 1	0		3	0											
Ditto	....	3	6	.. 1	0		3	6											
							12	5	Ditto 1 foot of entablature	2	8½	1	13	7	2	3	1	7	11
									Carried over	....		163	18	11	....		103	14	6½

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Table LXXXII. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth	4	1 8	by	6 0	40 0					
Die	4	4 0	..	4 9	76 0					
						Brought over		163 18 11	....	103 14 6½
					116 0	Plain work on pedestal	2 0	11 12 0	1 6	8 14 0
Base.....	4	1 3	..	6 0	30 0					
Cornice ...	4	2 4	..	6 0	56 0					
Column.					86 0	Molded ditto	2 6	10 15 0	2 0	8 12 0
Plinth	4	1 1	..	4 9	20 7	Of plain plinth to column..	2 6	2 11 5½	2 0	2 1 2
Base.....	....	1 3	..	14 6	20 7					
Capital....	....	1 9	..	11 0	19 3					
Abacus....	4	1 2	..	4 0	18 8					
Cinct. and astrigal.	....	1 2	..	10 6	12 3					
					70 9	Molded work on ditto	3 0	10 12 3	2 3	7 19 2
Sunk work.	....	5 5	..	12 0	65 0					
Ditto.....	....	5 5	..	11 0	59 7					
					124 7	Sunk work on shaft	3 0	18 13 9	2 3	14 0 3½
						Carried forward		218 3 4½	....	145 1 2

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Table LXXXII. *continued.*

Superficial of exposed Work.	Column continued.	Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	Description of Work.	Value in Portland. At per. s.	d.	Amount. £.	s.	d.	Value in Granate. At per. s.	d.	Amount. £.	s.	d.
	Plain work.	....	5	1 by	10	9	54	7	*Brought forward*	....		218	3	4½	....		145	1	2
	Ditto.	....	5	1 ..	10	0	50	10											
	Entablature.						105	5	Plain work on shaft.....	2	6	13	6	0½	2	0	10	10	10
	Architrave	....	2	5 ..	1	0	2	5	Architrave to entablature...	2	6	0	6	0½	2	0	0	4	10
	Cornice...	....	5	2 ..	1	0	5	2	Cornice to ditto	3	0	0	15	6	2	6	0	12	11
	Inside face	....	1	9 ..	1	0	1	9											
	Soffit.....	....	2	9 ..	1	0	2	9											
	Freeze....	....	1	9 ..	1	0	1	9											
							6	3	Plain work on ditto.....	2	0	0	12	6	1	6	0	9	4½
	Top bed....	....	5	3 ..	1	0	5	3	Plain top bed ditto.....	1	4	0	7	0	1	1	0	5	8
									Total amount..	....		233	10	5½	....		157	4	9½
									If no pedestal, deduct.....	....		81	11	0	....		53	1	11
									Nett amount	....		151	19	5½	....		104	2	10½

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TABLE LXXXIII.

A Tuscan Column 4 feet diameter, the heighths are as follows, viz.—The Pedestal 8 feet, Column 28 feet, Entablature 7 feet. Total height 43 feet, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. *s.*	*d.*	Amount. £.	*s.*	*d.*	*Value in Granate.* At per. *s.*	*d.*	Amount. £.	*s.*	*d.*
Base & plin.	3	1	by	7	1	by	7	1	154	8											
Cornice...	1	3	—	7	1	—	7	1	62	9											
Die.....	4	11	—	5	9	—	5	9	162	6											
Column.									379	11	Cube measure in pedestal..	4	4	82	6	1½	2	6	47	9	9½
Base & plin.	2	0	—	5	9	—	5	9	66	1											
Capital....	2	2	—	4	10	—	4	10	50	7											
Shaft.....	5	0	—	4	7	—	4	7	105	0											
Ditto.....	10	0	—	4	1	—	4	1	166	9											
Ditto	5	0	—	4	0	—	4	0	80	0											
Ditto.....	4	9	—	3	8	—	4	8	63	10											
One foot of Entablature.									532	3	Ditto in column.....	4	4	115	6	5	2	6	66	10	7½
Architrave..	2	5	—	3	10	—	1	0	9	3											
Freeze....	2	5	—	3	6	—	1	0	8	5											
Cornice....	2	5	—	5	0	—	1	0	12	1											
Die.....	1	4	—	5	9	—	1	0	7	8											
									37	5	Do. in 1 foot of entablature.	4	4	8	2	7½	2	6	4	13	0½
											Carried forward	-	-	205	15	2	-	-	118	13	5½

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Table LXXXIII. *continued.*

Superficial of Beds.	*Pedestal.*	Times.	Breadth.			Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
									At per.	Amount.		At per.	Amount.	
	Plinth, base, & cornice.	2	F. I. 7 0	by	F. I. 7 0	F. I. 98 0			s. d.	£. s. d.		s. d.	£. s. d.	
	Die.....	2	5 8	..	5 8	64 2								
								Brought over	....	205 15 2		....	118 13 5½	
	Column.					162 2		Supfl. in beds of pedestal...	1 4	10 16 2½		1 1	8 15 8	
	Base & plin.	....	5 8	..	5 8	32 2								
	Capital.....	....	4 9	..	4 9	22 7								
	Shaft	....	4 6	..	4 6	20 3								
	Ditto.....	2	4 0	..	4 0	32 0								
	Ditto.....	....	3 10	..	3 10	14 8								
	Ditto	....	3 6	..	3 6	12 3								
	One foot of Entablature.					133 11		Ditto of column, including lead and dowels	5 0	33 9 7		4 6	30 2 7½	
	Architrave.	....	3 9	..	1 0	3 9								
	Freeze	....	3 5	..	1 0	3 5								
	Cornice. ..	....	3 6	..	1 0	3 6								
	Ditto.....	....	4 0	..	1 0	4 0								
						14 8		Do. one foot of entablature.	2 8½	1 19 8½		2 3	1 13 0	
								Carried forward	---	252 0 8		....	159 4 9	

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Table LXXXIII. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.	by F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth	4	2 0	by 7 0	56 0					
Die	4	4 9	.. 5 8	107 8	*Brought over*	---	252 0 8	....	159 4 9
				163 8	Plain work on pedestal....	2 0	16 7 4	1 6	12 5 6
Base	4	1 5	.. 7 0	39 8					
Cornice...	4	2 8	.. 7 0	74 8					
				114 4	Molded work ditto.....	2 6	14 5 10	2 0	11 8 8
Column.									
Plinth	4	1 4	.. 5 7	29 9	Plain plinth to column	2 6	3 14 4½	2 0	2 19 6
Base	....	1 4	..15 6	20 8					
Capital ...	....	2 0	..12 6	25 0					
Abacus ...	4	1 4	.. 4 6	24 0					
Cincture & astrigal ..	....	1 4	..12 0	16 0					
				85 8	Molded work ditto.....	3 0	12 17 0	2 3	9 12 9
Sunk shaft		5 0	..13 0	65 0					
Ditto	....	5 0	..12 0	60 0					
				125 0	Sunk work on shaft.....	3 0	18 15 0	2 3	14 1 3
					Carried forward	---	318 0 2½	---	209 12 5

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Superficial of exposed Work.

Column continued.	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*				*Value in Granate.*			
									At per.		Amount.		At per.		Amount.	
		F.	I.	F.	I.	F.	I.		s.	d.	£.	s. d.	s.	d.	£.	s. d.
Plain shaft		10	0	by 12	6	125	0									
Ditto	- - -	4	9	— 12	0	57	0	*Brought forward*	- - -		318	0 2½	- - -		209	12 5
Entablature.						182	0	Plain work on shaft	2	6	22	15 0	2	0	18	4 0
Architrave .	- - -	2	8	— 1	0	2	8	Architrave to entablature	2	6	0	6 8	2	0	0	5 4
Cornice....	- - -	6	0	— 1	0	6	0	Cornice to ditto	3	0	0	18 0	2	6	0	15 0
Inside face	- - -	2	0	— 1	0	2	0									
Soffit	- - -	3	0	— 1	0	3	0									
Freeze	- - -	2	0	— 1	0	2	0									
						7	0	Plain work on ditto	2	0	0	14 0	1	6	0	10 6
Top bed ..	- - -	6	0	— 1	0	6	0	Plain top bed of cornice ...	1	4	0	8 0	1	1	0	6 6
								Total amount	....		343	1 10½	....		229	13 9
								If no pedestal, deduct.....	....		123	15 6	....		79½	19 7½
								Nett amount	....		219	6 4½	....		149	14 1½

Note.—If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in, and pouring with lead.

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TABLE LXXXIV.

HISTORY OF THE DORIC ORDER.

This Order had its origin and name from the Dorians, a Grecian people who dwelt in Asia.

The shafts of this Column are 7 diameters high, the base and capital are each half a diameter, which makes the column, (including base and capital) 8 diameters high; it diminishes two-fifteenths of its diameter. The Entablature is two diameters, or a quarter of the heighth of the Column. The Trigliphs are each half a diameter wide, and so are the Bells that are placed over and under them. The Metope (or spaces between the Trigliphs) are square; its principal parts are as follows, viz.—

	By the London Art Method.					*By Mr. Gibbs'.*					*By Builders' Repository.*				
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod.	Min.	Mod.	Min.	Min.	Mod.	Min.
Entablature.	Cornice,	0	45	120 or	2 0	.....		120 or	2	0	.....		120 or	2	0
	Freeze,	0	45												
	Architrave	0	30												
Column.	Capital	0	30	480 or	8 0	.....		480 or	8	0	.....		480 or	8	0
	Shaft	7	0												
	Base	0	30												
				600 or	10 0										
Pedestal.	Cornice	0	20	142 or	2 22	0	18¼	150 or	2	30	0	21½	150 or	2	30
	Body or die	1	20			1	21¼				1	25½			
	Base & plinth	0	42			0	50				0	42¼			
			Total	742 or	12 22		Total	750 or	12	30		Total	750 or	12	30

So that the whole heighth of this column and entablature, (exclusive of the pedestal) by the London Art method, is 600 minutes, or 10 modules; and with its pedestal, 742 minutes, or 12 diameters 22 minutes.

Mr. Gibbs and the Builder's Repository vary in this Order also, as may be seen by the above scheme.

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TABLE LXXXV.

A Doric Column one foot diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 2 feet 4 inches, Column 8 feet, Entablature 2 feet. Total height 12 feet 4 inches, including base and capital.

Cube Measurement.		Height			Breadth.				Contents		Description of Work.	Value in Portland.			Value in Granate.		
	Pedestal.											At per.	Amount.		At per.	Amount.	
		F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£. s. d.	s.	d.	£. s. d.
	Base & plin.	0	10	by	1	10	by 1	10	2	9							
	Cornice...	0	5	..	1	10	.. 1	10	1	5							
	Die.....	1	4	..	1	5	.. 1	5	2	8							
	Column.								6	10	Cube measure in pedestal ..	4	4	1 9 7	2	6	0 17 1
	Base & plin.	0	7	..	1	5	.. 1	5	1	2							
	Capital....	0	8	..	1	4	.. 1	4	1	2							
	Shaft.....	7	2	..	1	2	.. 1	2	9	9							
	One foot of Entablature.								12	1	Ditto in column.....	4	4	2 12 4	2	6	1 10 2½
	Architrave	0	7	..	1	0	.. 1	0	0	7							
	Freeze....	0	8	..	0	10½	.. 1	0	0	7							
	Cornice...	0	11	..	1	10	.. 1	0	1	8							
									2	10	Ditto in one foot of entab.	4	4	0 12 3½	2	6	0 7 1
											Carried over	....		4 14 2½	....		2 14 4½

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Table LXXXV. *continued.*

Sup. of exposed wk.	*Pedestal.*	Times.	Breadth.			Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
									At per.	Amount.		At per.	Amount.	
	Base, and cornice ..	2	F. I. 1 9	by F. I. 1 9		F. I. 6 1½			*s.* *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
	Die	- - -	1 4	.. 1 4		1 9		*Brought over*	....	4 14 2½		....	2 14 4½	
Superficial in Beds.	*Column.*					7 10½		Superficial in beds of pedestal	1 4	0 9 2		1 1	0 8 6	
	Base	- - -	1 4	.. 1 4		1 9								
	Capital.....	- - -	1 3	.. 1 3		1 7								
	Shaft.....	- - -	1 0	.. 1 0		1 0								
	Entablature.					4 4		Ditto of column, including lead and dowels	5 0	1 1 8		4 6	0 19 6	
	Architrave.	- - -	0 10	.. 1 0		0 10								
	Freeze	- - -	0 9	.. 1 0		0 9								
	Cornice....	- - -	1 6	.. 1 0		1 6								
	Pedestal.					3 1		Ditto 1 foot of entablature ..	2 8½	0 8 4		2 3	0 6 11	
	Plinth	4	0 5	.. 1 9		2 11								
	Die	4	1 3	.. 1 4		6 8								
						9 7		Plain work on pedestal	2 0	0 19 2		1 6	0 14 4½	
								Carried forward	....	7 12 6½		....	5 3 8	

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Superficial of exposed Work.

Pedestal. continued.	Times.	Breadth. F. I.	F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Base.....	4	0 5 by	1 9	2 11					
Cornice....	4	0 8 ..	1 9	4 8	*Brought forward*	....	7 12 6½	....	5 3 8
Column.				7 7	Molded work on pedestal ..	2 6	0 18 11½	2 0	0 15 2
Plinth.....	4	0 2 ..	1 4	0 10					
Base.....	....	0 6 ..	4 2	2 1					
				2 11	Molded work on column ...	3 6	0 10 2½	3 0	0 8 9
Capital....	....	0 6 ..	4 0	2 0					
Abacus....	4	0 2 ..	1 3	0 10					
				2 10	Ditto capital ditto	3 0	0 8 6	2 6	0 7 1
Astrigal...	....	0 3 ..	3 0	0 9	Astrigal to ditto	3 6	0 2 7½	3 0	0 2 3
Sunk work.	....	7 0 ..	3 0	21 0	Sunk work on shaft	3 0	3 3 0	2 3	2 7 3
					Carried over	....	12 15 10	....	9 4 2

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Table LXXXV. *continued.*

Superficial of exposed Work.	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
		F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
						s. d.	£. s. d.	s. d.	£. s. d.
Entablature.									
Architrave.	....	0 8	by 1 0	0 8					
Cornice....	....	1 10	.. 1 0	1 10	*Brought over*	....	12 15 10	....	9 4 2
Freeze....	....	0 9	.. 1 0	0 9					
Soffit.....	....	1 6	.. 1 0	1 6					
Inside face.	....	0 9	.. 1 0	0 9					
				5 6	Exposed work of entablature	3 0	0 16 6	2 6	0 13 9
Top bed....	....	2 0	.. 1 0	2 0	Plain top bed ditto.....	1 4	0 2 8	1 1	0 2 2
					Total amount	....	13 15 0	....	10 0 1
					If no pedestal, deduct	....	2 16 10½	....	2 15 1½
					Nett amount	....	10 18 1½	....	7 4 11½

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TABLE LXXXVI.

A Doric Column 2 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 4 feet 8 inches, Column 16 feet, Entablature 4 feet. Total height 24 feet 8 inches, including base and capital.

Cube Measurement.	Height			Breadth.				Contents.		Description of Work.	Value in Portland.						Value in Granate.					
Pedestal.											At per.		Amount.				At per.		Amount.			
	F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.		s.	d.	£.	s.	d.	
Base & plin.	1	8	by	3	7	by 3	7	21	0													
Cornice ...	0	9	..	3	7	.. 3	7	9	7													
Die	2	8	..	2	9	.. 2	9	20	2													
Column.								50	9	Cube measure in pedestal...	4	4	10	19	11		2	6	6	6	10½	
Base & plin.	1	1	..	2	9	.. 2	9	8	2													
Capital....	1	2	..	2	4	.. 2	4	6	4													
Shaft	4	10	..	2	4	.. 2	4	26	3													
Ditto	4	9	..	2	0	.. 2	0	19	0													
Ditto	4	9	..	2	1	.. 2	1	20	7													
One foot of Entablature.								80	4	Ditto in column	4	4	17	8	1		2	6	10	0	10½	
Architrave	1	1	..	2	0	.. 1	0	2	2													
Freeze	1	3	..	1	7	.. 1	0	1	11													
Cornice ...	1	0	..	3	1	.. 1	0	3	1													
Ditto	0	9	..	3	8	.. 1	0	2	7													
								9	9	Do. in 1 foot of entablature	4	4	2	2	3		2	6	1	4	4½	
										Carried over.	- - -		30	10	3		- - -		17	12	1½	

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Table LXXXVI. *continued.*

Superficial of Beds.

	Times.	Breadth.		Contents.	Description of Work.	Value in Portland.		Value in Granate.	
Pedestal.		F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
						s. d.	£. s. d.	s. d.	£. s. d.
Base and cornice ..	2	3 6	by 3 6	24 6	*Brought over*	....	30 10 3	....	17 12 1
Die.....	....	2 8	.. 2 8	7 1					
Column.				31 7	Superficial in beds of pedestal	1 4	2 2 1	1 1	1 14 2½
Base & plin.	....	2 8	.. 2 8	7 1					
Capital....	....	2 3	.. 2 3	5 10					
Shaft.....	....	2 3	.. 2 3	5 9					
Ditto.....	....	1 11	.. 1 11	3 8					
Ditto.....	....	2 0	.. 2 0	4 0					
One foot of Entablature.				26 4	Ditto of column, including lead and dowels	5 0	6 11 8	4 6	5 18 6
Architrave..	....	2 0	.. 1 0	2 0					
Freeze	....	1 6	.. 1 0	1 6					
Cornice....	....	2 4	.. 1 0	2 4					
Ditto.....	....	3 0	.. 1 0	3 0					
				8 10	Ditto 1 foot of entablature..	2 8½	1 3 11	2 3	0 19 10½
					Carried forward	- - -	40 7 11	- - -	26 4 8

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Table LXXXVI. *continued.*

Superficial of exposed Work.

	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
Pedestal.		F. I	F. I.	F. I.		At per.	Amount.	At per.	Amount.
						s. d.	*£. s. d.*	*s. d.*	*£. s. d.*
Plinth	4	0 10 by	3 6	11 8					
Die.....	4	2 7 ..	2 8	27 6	*Brought forward*	....	40 7 11	....	26 4 8
				39 2	Plain work on pedestal....	2 0	3 18 4	1 6	2 18 9
Base.....	4	0 10 ..	3 6	11 8					
Cornice....	4	1 5 ..	3 6	19 10					
Column.				31 6	Molded work ditto.....	2 6	3 18 9	2 0	3 3 0
Plinth	4	0 4 ..	2 8	3 6	Plain work on plinth to column	2 6	0 8 9	2 0	0 7 0
Base.....	....	1 0 ..	8 4	8 4	Molded ditto base	3 6	1 9 2	3 0	1 5 0
Capital....	....	1 0 ..	8 0	8 0					
Abacus....	4	0 4 ..	2 5½	3 3					
				11 3	Capital ditto	3 0	1 13 9	2 6	1 8 1½
Astragal...	....	0 6 ..	6 2	3 1	Astragal ditto.....	3 6	0 10 9½	3 0	0 9 3
					Carried over	....	52 7 5½	....	35 15 9½

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Table LXXXVI. *continued.*

Superficial of exposed Work.	*Column. continued.*	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
										At per.		Amount.	At per.		Amount.
			F.	I.	F.	I.	F.	I.		s.	d.	£. s. d.	s.	d.	£. s. d.
	Sunk work..	....	4	8 by	6	5	29	11							
	Ditto.....	....	4	8 ..	5	8	26	5							
									Brought over	....		52 7 5½	....		35 15 9½
							56	4	Sunk work on shaft ditto...	3	0	8 9 0	2	3	6 6 9
	Plain work	....	4	8 ..	6	0	28	0	Plain work on ditto.....	2	6	3 10 0	2	0	2 16 0
	Entablature.														
	Architrave..	....	1	4 ..	1	0	1	4							
	Cornice....	....	3	9 ..	1	0	3	9							
	Freeze	....	1	6 ..	1	0	1	6							
	Soffit.....	....	3	0 ..	1	0	3	0							
	Inside face .	....	1	6 ..	1	0	1	6							
							11	1	Exposed work on entablature	3	0	1 13 3	2	6	1 7 8½
	Top bed ..	....	4	0 ..	1	0	4	0	Plain top bed ditto.....	1	4	0 5 4	1	1	0 4 4
									Total amount	....		66 5 0½	....		46 10 7
									If no pedestal, deduct	....		21 1 3	....		14 6 5½
									Nett amount	....		45 3 9½	....		32 4 1½

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TABLE LXXXVII.

A Doric Column 3 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 7 feet, Column 24 feet, Entablature 6 feet. Total height 37 feet, including base and capital.

Cube Measurement.	Height			Breadth.			Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
										At per.	Amount.		At per.	Amount.	
	F.	I.		F.	I.		F.	I.		s. d.	£.	s. d.	s. d.	£.	s. d.
Pedestal.															
Base & plin.	2	7	by	5	6	by 5	6	78	1						
Cornice ...	1	1	..	5	6	.. 5	6	32	9						
Die.....	5	0	..	4	2	.. 4	2	86	9						
Column.								197	7	Cube measure in pedestal...	4 4	42 16 2	2 6	24 13 11½	
Base & plin.	1	7	..	4	2	.. 4	2	27	6						
Capital....	1	10	..	3	8	.. 3	8	23	6						
Shaft	5	6	..	3	6	.. 3	6	67	4						
Ditto	10	9	..	2	10	.. 2	10	86	3						
Ditto	5	9	..	3	1	.. 3	1	54	8						
One foot of Entablature.								259	3	Ditto in column	4 4	56 3 5	2 6	32 8 1½	
Architrave	1	7	..	3	0	.. 1	0	4	9						
Freeze	2	1	..	2	6	.. 1	0	5	2						
Cornice....	1	0	..	3	7	.. 1	0	3	7						
Ditto	1	8	..	5	1	.. 1	0	8	5						
								21	11	Do. 1 foot of entablature ..	4 4	4 14 11½	2 6	2 14 9½	
										Carried over	....	103 14 6½	....	59 16 10½	

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Table LXXXVII. *continued.*

Superficial of Beds.

Pedestal.	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
		F.	I.		F.	I.	F.	I.		At per.	Amount.		At per.	Amount.
										s. *d.*	*£.* *s.* *d.*		*s.* *d.*	*£.* *s.* *d.*
Base and Cornice ..	2	5	5	by	5	5	58	8						
Die	....	4	0	..	4	0	16	0	*Brought over*	....	103 14 6½		....	59 16 10½
Column.							74	8	Superfl. in beds of pedestal .	1 4	4 19 6½		1 1	4 0 10½
Base.....	....	4	1	..	4	1	16	8						
Capital....	....	3	6	..	3	6	12	3						
Shaft	....	3	6	..	3	6	12	3						
Ditto	....	2	9	..	2	9	7	7						
Ditto	....	3	0	..	3	0	9	0						
Entablature.							57	9	Ditto of column, including lead and dowels	5 0	14 8 9		4 6	12 19 10½
Architrave.	....	3	0	..	1	0	3	0						
Freeze	....	2	4	..	1	0	2	4						
Cornice ...	....	3	0	..	1	0	3	0						
Ditto.....	....	3	6	..	1	0	3	6						
							11	10	Ditto 1 foot of entablature	2 8½	1 12 0½		2 3	1 6 7½
									Carried forward	....	124 14 10½		....	78 4 3

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Table LXXXVII. *continued.*

Superficial of exposed Work.

	Times.	Breadth.		Contents.	Description of Work.	Value in Portland.		Value in Granate.	
Pedestal.		F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
						s. d.	£. s. d.	s. d.	£. s. d.
Plinth	4	1 4	by 5 5	28 11	*Brought forward*	....	124 14 10½	....	78 4 3
Die	4	4 0	.. 4 1	65 4					
				94 3	Plain work on pedestal	2 0	9 8 6	1 6	7 1 4½
Base.....	4	1 3	.. 5 5	27 1					
Cornice ...	4	2 0	.. 5 5	43 4					
Column.				70 5	Molded ditto	2 6	8 16 0½	2 0	7 0 10
Plinth	4	0 6	.. 4 0	8 0	Of plain plinth to column..	2 6	1 0 0	2 0	0 16 0
Base.....	....	1 6	..12 6	18 9	Molded base ditto	3 6	3 5 7½	3 0	2 16 3
Capital....	....	1 6	..11 8	17 6					
Abacus....	4	0 6	.. 3 8	7 4					
				24 10	Capital ditto	3 0	3 14 6	2 6	3 2 1
Astragal...	....	0 9	.. 9 3	6 11	Astragal ditto.....	3 6	1 4 2½	3 0	1 0 9
Sunk work.	....	5 0	.. 9 9	48 9					
Ditto.....	....	5 0	.. 8 0	40 0					
				88 9	Sunk work on shaft	3 0	13 6 3	2 3	9 19 8
					Carried over	....	165 10 0	....	110 1 2½

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Table LXXXVII. *continued.*

Superficial of exposed Work.	Times.	Breadth.		Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
		F. I.	F. I.	F.	I.		At per.	Amount.		At per.	Amount.	
Column continued.							*s.* *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
						Brought over	....	165 10 0		....	110 1	2½
Plain work.	....	10 6	by 9 0	94	6	Plain work on shaft.....	2 6	11 16 3		2 0	9 9	0
Entablature.												
Architrave	....	1 9	.. 1 0	1	9							
Cornice...	....	5 8	.. 1 0	5	8							
Freeze....	....	2 4	.. 1 0	2	4							
Soffit.....	....	4 2	.. 1 0	4	2							
Inside face	....	2 4	.. 1 0	2	4							
				16	3	Exposed work of entablature	3 0	2 8 9		2 6	2 0	7½
Top bed....	....	6 0	.. 1 0	6	0	Plain work on top bed of cornice ditto.....	1 4	0 8 0		1 1	0 6	6
						Total amount..	....	180 3 0		....	121 17	4
						If no pedestal, deduct.....	....	59 13 7½		....	38 11	10
						Nett amount	....	120 9 4½		....	83 5	6

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TABLE LXXXVIII.

A Doric Column 4 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 9 feet 4 inches, Column 32 feet, Entablature 8 feet. Total height 49 feet 4 inches, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.*
Base & plin.	3	6	by	7	1	by	7	1	175	7							The reason for not bringing forward the prices here, is on account of the column's diameter being greater than what Granate, or such stone, could be procured in single blocks,
Cornice...	1	6	..	7	1	..	7	1	75	3							
Die.....	5	4	..	5	6	..	5	6	161	4							
Column.									412	2	Cube measure in pedestal ...	4	4	89	6	0½	
Base & plin.	2	1	..	5	6	..	5	6	63	0							
Capital....	2	2	..	4	8	..	4	8	47	2							
Shaft.....	5	0	..	4	9	..	4	9	112	9							
Ditto.....	9	9	..	4	1	..	4	1	162	6							
Ditto.....	14	0	..	3	10	..	3	10	205	8							
One foot of Entablature.									591	1	Ditto in column	4	4	128	1	4	
Architrave	2	1	..	3	11	..	1	0	8	2							
Freeze....	2	7	..	3	2	..	1	0	8	2							
Cornice ..	1	2	..	4	0	..	1	0	4	8							
Ditto.....	1	1	..	4	9	..	1	0	5	2							
Ditto.....	1	3	..	5	6	..	1	0	6	10							
									33	0	Do. in 1 foot of entablature	4	4	7	3	0	
											Carried over	....		224	10	4½	

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Table LXXXVIII. *continued.*

Superficial of Beds.

Pedestal.	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*			
									At per.		Amount.			At per.		Amount.	
		F.	I.		F.	I.	F. I.		s.	d.	£. s. d.			s.	d.	£. s. d.	
Base and cornice....	2	7	0	by	7	0	98 0										
Die.....	2	5	5	..	5	5	58 8										
								Brought over	....		224 10 4½						
Column.							156 8	Supfl. in beds of pedestal...	1	4	10 8 10½						
Base & plin.	....	5	5	..	5	5	29 4										
Capital.....	....	4	4	..	4	4	18 9										
Shaft	....	4	8	..	4	8	21 9										
Ditto.....	2	4	0	..	4	0	32 0										
Ditto.....	3	3	9	..	3	9	42 2										
One foot of Entablature.							144 0	Ditto of column, including lead and dowels.....	5	0	36 0 0						
Architrave.	....	4	0	..	1	0	4 0										
Freeze....	....	3	0	..	1	0	3 0										
Cornice...	....	3	6	..	1	0	3 6										
Ditto.....	....	4	0	..	1	0	4 0										
Ditto	....	4	6	..	1	0	4 6										
							19 0	Do. one foot of entablature.	2	8½	2 11 5½						
								Carried forward	- - -		273 10 8½						

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Table LXXXVIII. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth	4	1 8	by	7 0	46 8					
Die	4	5 2	..	5 4	110 2	*Brought forward*	- - -	273 10 8½		
					156 10	Plain work on pedestal....	2 0	15 13 8		
Base	4	1 7	..	7 0	44 4					
Cornice...	4	2 9	..	7 0	77 0					
Column.					121 4	Molded work ditto.....	2 6	15 3 4		
Plinth	4	0 9	..	5 4	16 0	Plain plinth to column	2 6	2 0 0		
Base	....	1 11	..	16 0	30 8	Molded base ditto	3 6	5 7 4		
Capital ...	....	2 0	..	16 0	32 0					
Abacus ...	4	0 8	..	4 10	12 10					
					44 10	Capital ditto	3 0	6 14 6		
Astragal...	....	1 0	..	12 5	12 5	Astragal ditto	2 6	1 11 0½		
Sunk work.	....	4 8	..	12 7	58 8					
Ditto	....	4 6	..	11 4	51 0					
					109 8	Sunk work on shaft ditto..	3 0	15 9 0		
						Carried over	- - -	335 9 7		

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Table LXXXVIII. *continued.*

Superficial of exposed Work.	*Column continued.*	Times.	Breadth. F. I.		F. I.	Contents F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
	Plain work.	....	14 0	by	12 0	168 0					
	Ditto.....	....	4 10	..	11 6	55 7					
						223 7	*Brought over*	....	335 9 7		
	Entablature.						Plain work on shaft of column	2 6	27 18 11½		
	Architrave.	....	2 4	..	1 0	2 4					
	Cornice...	....	7 6	..	1 0	7 6					
	Freeze....	....	3 0	..	1 0	3 0					
	Soffit.....	....	5 0	..	1 0	5 0					
	Inside face.	....	3 0	..	1 0	3 0					
						20 10	Exposed work on entablature	3 0	3 2 6		
	Top bed ...	....	8 0	..	1 0	8 0	Plain work on top bed cornice to ditto	1 4	0 10 8		
							Total amount	....	367 1 8½		
							If no pedestal deduct.....	....	135 11 4½		
							Nett amount	....	231 10 4		

Note.—If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in, and pouring with lead. If metophs are ornamented between trigliphs, to be charged separate; also, in like manner, if soffit to corona is enriched, or any moldings carved to entablature, and shaft, if fluted to column.

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TABLE LXXXIX.

HISTORY OF THE IONIC ORDER.

The Ionic Order had its Origin in Ionia, a Province in Asia, because one Ion in Ionia first invented it, who is said to have erected a Temple of this Order to the Goddess Diana.

This Column, including its Base and Capital, is 9 diameters high, and diminishes two-fifteenths of its diameter; its entablature is equal to one fifth of the height of the Column: the Pedestal is 2 Modules 42 Minutes—The principal parts thereof are as follows, viz.

	By the London Art Method.					*By Mr. Gibbs'.*					*By Builders' Repository.*				
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod.	Min.	Mod.	Min.	Min.	Mod.	Min.
Entablature.	Cornice,	0	45			0	43				0	45			
	Freeze,	0	27	108	or 1 48	0	32½	108	or	1 48	0	27	108	or	1 48
	Architrave	0	36			0	32½				0	36			
Column.	Capital	0	31												
	Shaft	7	59	540	or 9 0	.....		540	or	9 0	.....		540	or	9 0
	Base	0	30												
				648	or 10 48										
Pedestal.	Cornice	0	21			0	20¼				0	23⅐			
	Body or die	1	40	163	or 2 43	1	27¾	162	or	2 42	1	32⅘	162	or	2 42
	Base & plinth	0	42			0	54				0	46⅔			
		Total		811	or 13 31	Total		810	or	13 30	Total		810	or	13 30

So that the whole height of this column (exclusive of its pedestal) by the London Art method, is 648 minutes, or 10 modules 48 minutes; and with its pedestal, 811 minutes, or 13 diameters 31 minutes.

This Order has a greater variation than the last, from the aforesaid authors, both in the Entablature and Pedestal, as may be seen above.

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STONE CARVERS' PRICES.

Carving the Corinthian or Composite capital, is valued by the inch diameter, to be done according to the order, in a masterly manner, with leaves, stems, and volutes in perfect order, and is charged from 18*s.* to £1 10*s.* per inch; for instance, a capital to be 12 inches diameter, taken at 18*s.* per inch, is £10 16*s.* for carving the whole capital complete, and so in proportion to a three-quarter, or half column, &c. A pilaster capital on the face is one quarter, &c.

The Ionic capital, in full and complete order, is from 5*s.* to 10*s.* per inch diameter. See tables of columns from 12 to 48 inches diameter.

N. B. Carving of capitals have, by most authors, been valued by measuring the superficial external contents; but the above method is now practised by the most respectable Architects and Measurers.

It is to be observed, that having carefully and judiciously drawn a parallel, comparative in proportion to that of the diameter's increase, from the probable smallest to the greatest, carrying, at the same instant, the increase on the elevation of each capital to correspond with the advance: see the following tables. This I presume will be satisfactory, when carefully perused, as the height increases in proportion to the diameter, and the value laid down on the diameter only, which causes the fluctuating rates.

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TABLE XC.

An Ionic Column one foot diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 2 feet 8¾ inches, Column 9 feet, Entablature 1 foot 9⅝ inches. Total height 13 feet 6¼ inches, including base and capital.

Cube Measurement.

	Height			Breadth.				Contents.		Description of Work.	Value in Portland. At per.		Value in Portland. Amount.			Value in Granate. At per.		Value in Granate. Amount.		
Pedestal.	F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
Base & plin.	1	0	by	1	11	by 1	11	3	8											
Cornice...	0	5	—	1	11	— 1	11	1	6											
Die.....	1	4	—	1	5	— 1	5	2	8											
Column.								7	10	Cube measure in pedestal..	4	4	1	13	11	2	6	0	19	7
Base & plin.	0	7	—	1	5	— 1	5	1	2											
Capital....	0	7	—	1	5	— 1	5	1	2											
Shaft.....	4	1	—	1	2	— 1	2	5	7											
Ditto.....	4	1	—	1	1	— 1	1	4	9											
One foot of Entablature.								12	8	Ditto in column.....	4	4	2	14	10½	2	6	1	11	8
Architrave..	0	7	—	1	3	— 1	0	0	9											
Freeze....	0	7	—	0	11	— 1	0	0	6											
Cornice....	0	11	—	1	9	— 1	0	1	7											
								2	10	Do. in 1 foot of entablature.	4	4	0	12	3	2	6	0	7	1
										Carried forward	-	- -	*5*	1	0½	....		2	18	4

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Table XC. *continued.*

Superficial in Beds.

	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
		F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
Pedestal.						*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*
Base and cornice ..	2	1 10	by 1 10	6 9	*Brought over*	....	5 1 0½	....	2 18 4
Die.....	....	1 4	.. 1 4	1 9					
Column.				8 6	Superficial in beds of pedestal	1 4	0 11 4	1 1	0 9 2½
Base & plin.	....	1 4	.. 1 4	1 9					
Capital....	....	1 3	.. 1 3	1 7					
Shaft.....	....	1 1	.. 1 1	1 2					
Ditto..	....	1 0	.. 1 0	1 0					
Entablature.				5 6	Ditto of column, including lead and dowels	5 0	1 7 6	4 6	1 4 9
Architrave.	....	1 2	.. 1 0	1 2					
Freeze....	....	0 10	.. 1 0	0 10					
Cornice....	....	1 4	.. 1 0	1 4					
				3 4	Ditto 1 foot of entablature..	2 8½	0 9 0	2 3	0 7 6
					Carried forward	- - -	7 8 10½	- - -	4 19 9½

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Table XC. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth.	Contents.	*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
					At per.	Amount.		At per.	Amount.	
		F. I. F. I.	F. I.		*s.* *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
Plinth.....	4	0 9 by 1 10	*5* 6							
Die.....	4	1 3 .. 1 4½	6 10							
				Brought forward	....	7 8 10½		....	4 19 9½	
			12 4	Plain work on pedestal	2 0	1 4 8		1 6	0 18 6	
Base.....	4	0 *5* .. 1 9	2 11							
Cornice....	4	0 9 .. 1 9	*5* 3							
			8 2	Molded ditto	2 6	1 0 *5*		2 0	0 16 4	
Column.										
Plinth	4	0 3 .. 1 4	1 4	Plain plinth to column	2 6	0 3 4		2 0	0 2 8	
Base	....	0 7 .. 4 2	2 *5*	Molded base ditto	3 6	0 8 *5*½		3 0	0 7 3	
				Capital complete, 12 inches diameter	*5* 0	3 0 0		4 6	2 14 0	
Sunk work.	....	4 0 .. 3 0	12 0							
Ditto	....	4 0 .. 2 10	11 4							
			23 4	Sunk work on shaft, ditto..	3 0	3 10 0		2 6	2 18 4	
Fillet and cavetto...	....	0 3 .. 3 4	0 10	Fillet and cavetto, ditto ...	3 0	0 2 6		2 6	0 2 1	
				Carried over		16 18 3		....	12 18 11½	

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Table XC. *continued.*

Superficial of exposed Work.		Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
							At per.	Amount.		At per.	Amount.	
	Entablature.		F. I.	F. I.	F. I.		s. d.	£. s. d.		s. d.	£. s. d.	
						Brought over	....	16 18 3		....	12 18 11½	
	Architrave.	....	1 0	by 1 0	1 0	Molded architrave to entablature.....	3 0	0 3 0		2 6	0 2 6	
	Freeze	....	0 6	.. 1 0	0 6							
	Soffit.....	....	1 0	.. 1 0	1 0							
	Inside face.	....	0 6	.. 1 0	0 6							
					2 0	Plain work on ditto	2 3	0 4 6		1 10	0 3 8	
	Cornice....	....	1 6	.. 1 0	1 6	Cornice to ditto.....	3 6	0 5 3		3 0	0 4 6	
	Top bed....	....	1 0	.. 1 0	1 0	Plain top bed ditto.....	1 4	0 1 4		1 1	0 1 1	
						Total amount	....	17 12 4		....	13 10 8½	
						If no pedestal, deduct	....	4 10 4		....	3 4 1½	
						Nett amount	....	13 2 0		....	10 6 7	

N. B. If carved members to entablature or enriched corona, to be charged separate; if shaft of column is fluted, charge as sunk or molded work. It is to be observed, there are two modillions over each column wrought in solid, which may be charged by the piece, agreeable to the dimentions.

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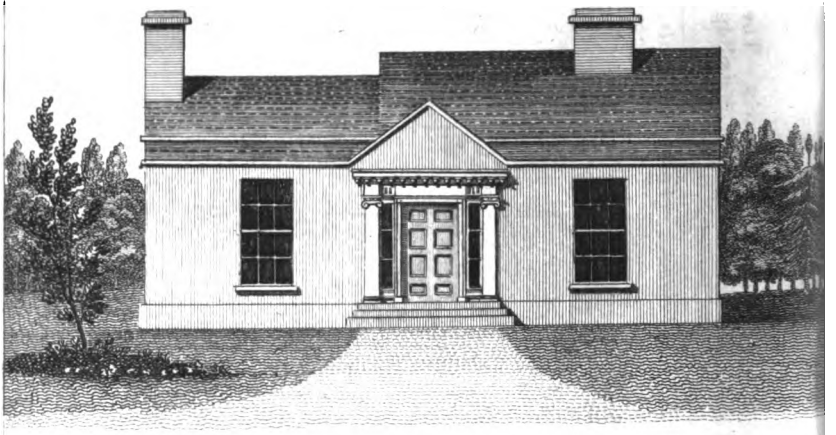

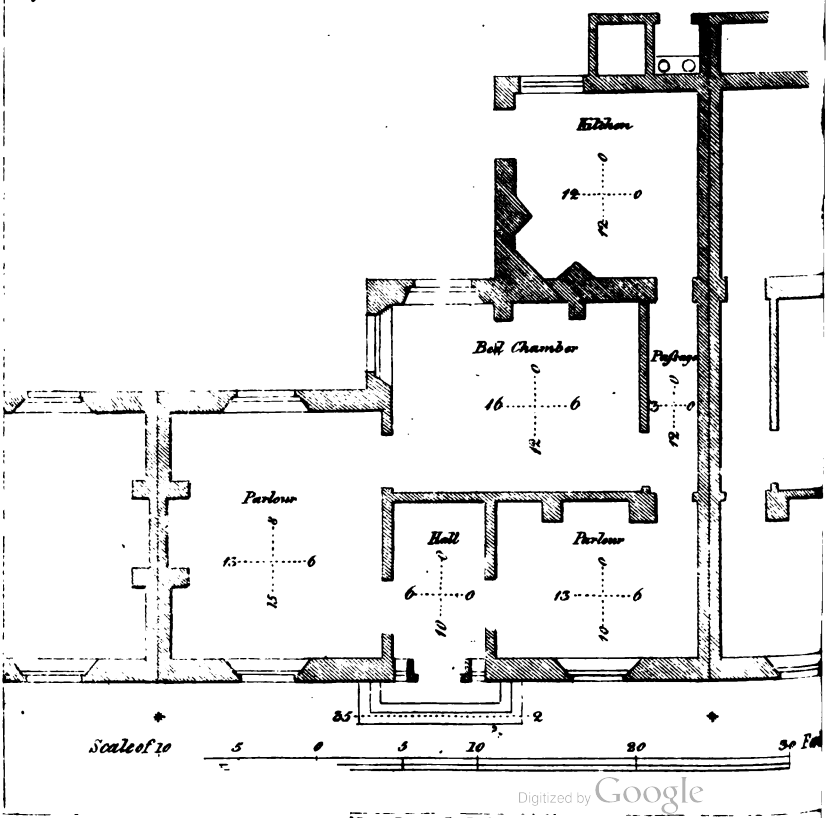

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TABLE XCI.

An Ionic Column 2 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 5 feet 5 inches, Column 18 feet, Entablature 3 feet 7½ inches. Total height 27 feet ½ inch, including base and capital.

Cube Measurement. 2 0

	Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granate.			
Pedestal.											At per.		Amount.		At per.		Amount.	
	F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
Base & plin.	2	0	by	3	9	by 3	9	28	1											
Cornice ...	0	10	..	3	9	.. 3	9	11	9											
Die	2	8	..	2	10	.. 2	10	21	4											
Column.								61	2	Cube measure in pedestal...	4	4	13	5	0½	2	6	7	12	11
Base & plin.	1	2	..	2	10	.. 2	10	9	4											
Capital....	1	1	..	2	9	.. 2	9	8	2											
Shaft	11	0	..	2	3	.. 2	3	55	8											
Ditto.....	5	3	..	2	1	.. 2	1	22	9											
One foot of Entablature.								95	11	Ditto in column	4	4	20	15	7½	2	6	11	19	9½
Architrave	1	2	..	2	5	.. 1	0	2	10											
Freeze	1	2	..	1	9	.. 1	0	2	0											
Cornice ...	1	8	..	2	9	.. 1	0	4	7											
								9	5	Do. in 1 foot of entablature	4	4	2	0	9½	2	6	1	3	6½
										Carried over.	- - -		36	1	5½	- - -		20	16	3

289

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Table XCI. *continued.*

	Pedestal.	Times.	Breadth.		Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
			F. I.	F. I.	F.	I.		At per.	Amount.		At per.	Amount.	
	Base and cornice ..	2	3 8	by 3 8	26	10		*s.* *d.*	£.	*s.* *d.*	*s.* *d.*	£.	*s.* *d.*
	Die	....	2 9	.. 2 9	7	7	*Brought over*	....	36	1 5½	....	20	16 3
Superficial of Beds.	*Column.*				34	5	Superfl. in beds of pedestal	1 4	2	5 10½	1 1	1	17 3½
	Base & plin.	....	2 9	.. 2 9	7	7							
	Capital	....	2 8	.. 2 8	7	1							
	Shaft	2	2 2	.. 2 2	9	4							
	Ditto	....	2 0	.. 2 0	4	0							
	Entablature.				28	0	Ditto of column, including lead and dowels	5 0	7	0 0	4 6	6	6 0
	Architrave.	....	2 4	.. 1 0	2	4							
	Freeze	....	1 8	.. 1 0	1	8							
	Cornice	2	2 8	.. 1 0	5	4							
Supl. of exposed wk.	*Pedestal.*				9	4	Ditto 1 foot of entablature	2 8½	1	5 3	2 3	1	1 0
	Plinth	4	1 5	.. 3 8	20	9							
	Die	4	2 7	.. 2 9	28	5							
					49	2	Plain work on pedestal	2 0	4	18 4	1 6	3	13 9
							Carried forward	....	51	10 11	....	33	14 3½

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Superficial of exposed Work.	Times.	Breadth.	Contents.	Description of Work.	Value in Portland. At per.	Value in Portland. Amount.	Value in Granate. At per.	Value in Granate. Amount.
Pedestal. continued.		F. I. F. I.	F. I.		s. d.	£. s. d.	s. d.	£. s. d.
Base.....	4	0 10 by 3 8	12 3					
Cornice....	4	1 6 — 3 8	22 0					
				Brought forward	....	51 10 11	....	33 14 3½
			34 3	Molded work on pedestal..	2 6	4 5 7½	2 0	3 8 6
Column.								
Plinth.....	4	0 6 — 2 9	5 6	Plain plinth to column.....	2 6	0 13 9	2 0	0 11 0
Base.....	- - -	1 0 — 8 4	8 4	Molded base ditto	3 6	1 9 2	3 0	1 5 0
				Capital complete 24 inches diameter	6 3	7 10 0	5 6	6 12 0
Sunk work.	- - -	5 4 — 6 6	34 8					
Ditto.....	- - -	5 4 — 5 8	30 2					
			64 10	Sunk work on shaft ditto...	3 0	9 14 6	2 6	8 2 1
Plain ditto.	- - -	5 4 — 6 2	32 10	Plain work ditto	2 6	4 2 1	2 0	3 5 8
Fillet and cavetto..	- - -	0 5 — 7 0	2 11	Fillet and cavetto ditto	3 0	0 8 9	2 6	0 7 3½
				Carried over	....	79 14 9½	....	57 5 10

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Table XCI. *continued.*

Superficial of exposed Work.		Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
							At per.	Amount.		At per.	Amount.	
	Entablature.		F. I.	F. I.	F. I.		s. d.	£. s. d.		s. d.	£. s. d.	
						Brought over	....	79 14 9½		....	57 5 10	
	Architrave	....	1 10	by 1 6	1 16	Architrave to entablature..	3 0	0 5 6		2 6	0 4 7	
	Cornice...	....	3 0	.. 1 0	3 0	Cornice to ditto	3 6	0 10 6		3 0	0 9 0	
	Freeze....	....	1 1	.. 1 0	1 1							
	Soffit.....	....	2 0	.. 1 0	2 0							
	Inside face	....	1 1	.. 1 0	1 1							
					4 2	Plain work on ditto	2 3	0 9 4½		1 10	0 7 7½	
	Top bed....	....	1 10	.. 1 0	1 10	Plain top bed ditto	1 4	0 2 5		1 1	0 1 11½	
						Total amount..	....	81 2 7		....	58 9 0	
						If no pedestal, deduct.....	....	24 14 10½		....	16 12 5½	
						Nett amount	....	56 7 8½		....	41 16 6½	

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TABLE XCII.

An Ionic Column 3 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 8 feet 1½ inches, Column 27 feet, Entablature 5 feet 5½ inches. Total height 40 feet 6¾ inches, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.		F.	I.	Contents F.	I.	Description of Work.	Value in Portland. At per. s.	d.	Amount. £.	s.	d.	Value in Granate. At per. s.	d.	Amount. £.	s.	d.
Base & plin.	2	11	by	5	6	by	5	6	88	3											
Cornice ...	1	2	..	5	6	..	5	6	35	3											
Die.....	3	11	..	4	1	..	4	1	65	3											
Column.									188	9	Cube measure in pedestal ..	4	4	40	17	11	2	6	23	11	10½
Base & plin.	1	8	..	4	1	..	4	1	27	9											
Capital ...	1	8	..	4	1	..	4	1	27	9											
Shaft.....	5	0	..	3	7	..	3	7	64	2											
Ditto.....	5	0	..	3	0	..	3	0	45	0											
Ditto	5	0	..	3	1	..	3	1	47	6											
Ditto	9	8	..	2	11	..	2	11	82	2											
One foot of Entablature.									294	4	Ditto in column	4	4	63	15	5	2	6	36	15	10
Architrave	1	8	..	3	6	..	1	0	5	10											
Freeze	1	8	..	2	5	..	1	0	4	0											
Cornice...	1	7	..	3	9	..	1	0	5	11											
Ditto	0	9	..	4	9	..	1	0	3	6											
									19	3	Ditto in one foot of entab.	4	4	4	3	5	2	6	2	8	1½
											Carried over	....		108	16	9	....		62	15	10

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Table XCI. *continued.*

Superficial of exposed Work.	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
						At per.	Amount.		At per.	Amount.	
		F. I.	F. I.	F. I.		s. d.	£. s. d.		s. d.	£. s. d.	
Entablature.					*Brought over*	....	79 14 9½		....	57 5 10	
Architrave	....	1 10	by 1 6	1 10	Architrave to entablature..	3 0	0 5 6		2 6	0 4 7	
Cornice...	....	3 0	.. 1 0	3 0	Cornice to ditto	3 6	0 10 6		3 0	0 9 0	
Freeze....	....	1 1	.. 1 6	1 1							
Soffit.....	....	2 0	.. 1 6	2 6							
Inside face	....	1 1	.. 1 0	1 1							
				4 2	Plain work on ditto	2 3	0 9 4½		1 10	0 7 7½	
Top bed....	....	1 10	.. 1 6	1 10	Plain top bed ditto	1 4	0 2 5		1 1	0 1 11½	
					Total amount..	....	81 2 7		....	58 9 0	
					If no pedestal, deduct.....	....	24 14 10½		....	16 12 5½	
					Nett amount	....	56 7 8½		....	41 16 6½	

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TABLE XCII.

An Ionic Column 3 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 8 feet 1½ inches, Column 27 feet, Entablature 5 feet 5½ inches. Total height 40 feet 6¾ inches, including base and capital.

Cube Measurement.	Height			Breadth.				Contents		Description of Work.	Value in Portland.				Value in Granate.			
	F.	I.		F.	I.		F.	I.	F. I.		At per.		Amount.			At per.	Amount.	
											s.	d.	£.	s.	d.	s.	d.	£. s. d.
Pedestal.																		
Base & plin.	2	11	by	5	6	by	5	6	88 3									
Cornice ...	1	2	..	5	6	..	5	6	35 3									
Die	3	11	..	4	1	..	4	1	65 3									
Column.									188 9	Cube measure in pedestal ..	4	4	40	17	11	2	6	23 11 10½
Base & plin.	1	8	..	4	1	..	4	1	27 9									
Capital	1	8	..	4	1	..	4	1	27 9									
Shaft	5	0	..	3	7	..	3	7	64 2									
Ditto	5	0	..	3	0	..	3	0	45 0									
Ditto	5	0	..	3	1	..	3	1	47 6									
Ditto	9	8	..	2	11	..	2	11	82 2									
One foot of Entablature.									294 4	Ditto in column	4	4	63	15	5	2	6	36 15 10
Architrave	1	8	..	3	6	..	1	0	5 10									
Freeze	1	8	..	2	5	..	1	0	4 0									
Cornice ...	1	7	..	3	9	..	1	0	5 11									
Ditto	0	9	..	4	9	..	1	0	3 6									
									19 3	Ditto in one foot of entab.	4	4	4	3	5	2	6	2 8 1½
										Carried over			108	16	9	....		62 15 10

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Table XCII. *continued.*

Superficial of Beds.		Times.	Breadth.		Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
	Pedestal.		F. I.	F. I.	F.	I.		At per.		Amount.	At per.		Amount.
	Base and cornice ..	2	5 5 by	5 5	58	8		*s.*	*d.*	£. *s.* *d.*	*s.*	*d.*	£. *s.* *d.*
	Die	....	4 0 ..	4 0	16	0	*Brought over*	....		108 16 9	....		62 15 10
	Column.				74	8	Superfl. in beds of pedestal .	1	4	4 19 6½	1	1	4 0 10½
	Base.....	....	4 0 ..	4 0	16	0							
	Capital....	....	4 0 ..	4 0	16	0							
	Shaft	....	3 6 ..	3 6	12	3							
	Ditto	2	3 0 ..	3 0	18	0							
	Ditto	2	2 10 ..	2 10	16	0							
	Entablature.				78	3	Ditto of column, including lead and dowels	5	0	19 11 3	4	6	17 12 1½
	Architrave.	....	3 4 ..	1 0	3	4							
	Freeze....	....	2 4 ..	1 0	2	4							
	Cornice...	....	3 0 ..	1 0	3	0							
	Ditto.....	....	3 10 ..	1 0	3	10							
					12	6	Ditto 1 foot of entablature	2	8½	1 13 10	2	3	1 8 1½
							Carried forward	....		135 1 4½	....		85 16 11½

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Table XCII. *continued.*

Superficial of exposed Work.

	Times.	Breadth.				Contents.		Description of Work.	Value in Portland.			Value in Granate.		
									At per.	Amount.		At per.	Amount.	
Pedestal.		F.	I.	F.	I.	F.	I.		*s.* *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
Plinth	4	2	1	by 5	5	45	2							
Die	4	3	10	.. 4	0	61	4	*Brought forward*	....	135 1	4½	....	85 16	11½
						106	6	Plain work on pedestal	2 0	10 13	0	1 6	7 19	9
Base.....	4	1	3	.. 5	4	26	8							
Cornice ...	4	2	3	.. 5	4	48	0							
						74	8	Molded ditto	2 6	9 6	8	2 0	7 9	4
Column.														
Plinth	4	0	8	.. 4	0	10	8	Of plain plinth to column..	2 6	1 6	8	2 0	1 1	4
Base.....	....	1	7	..12	0	19	0	Molded base ditto	3 6	3 6	6	3 0	2 17	0
								Capital complete, 36 inches diameter	8 0	14 8	0	7 0	12 12	0
Sunk work.	....	4	8	.. 9	6	44	4							
Ditto.....	....	4	8	.. 8	9	40	10							
						85	2	Sunk work on shaft ditto ..	3 0	12 15	6	2 6	10 12	11
Plain work.	....	5	0	.. 8	10	44	2							
Ditto.	....	9	8	.. 9	0	87	0							
						131	2	Plain ditto	2 6	16 7	11	2 0	13 2	4
								Carried over	....	203 5	7½	....	141 11	7½

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Table XCII. *continued.*

Superficial of exposed Work.	Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granite.* At per. s.	d.	Amount. £.	s.	d.
Column. continued.																		
								Brought over	....		203	5	7½	....		141	11	7½
Fillet and cavetto..	....	0	7	by 1	0	6	1	Fillet and cavetto on column	3	0	0	18	3	2	6	0	15	2½
Entablature.																		
Architrave..	....	2	10	.. 1	0	2	10	Molded architrave to entablature.....	3	0	0	8	6	2	6	0	7	1
Freeze	....	1	7	.. 1	0	1	7											
Soffit.....	....	3	0	.. 1	0	3	0											
Inside face .	....	1	7	.. 1	0	1	7											
							6	2	Plain work on ditto.....	2	3	0	13	10½	1	10	0	11	3½
Cornice....	....	4	6	.. 1	0	4	6	Cornice ditto	3	6	0	15	9	3	0	0	13	6
Top bed ..	....	2	7	.. 1	0	2	7	Plain top bed ditto.....	1	4	0	3	5	1	1	0	2	9½
								Total amount	....		206	5	5	....		144	1	6
								If no pedestal, deduct	....		65	17	1½	....		43	1	10
								Nett amount	....		140	8	3½	....		100	19	8

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TABLE XCIII.

An Ionic Column 4 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 10 feet 10 inches, Column 36 feet, Entablature 7 feet 3 inches. Total height 54 feet 1 inch, including base and capital.

Cube Measurement.		Height			Breadth.				Contents.		Description of Work.	Value in Portland.			Value in Granate.		
	Pedestal.	F.	I.		F.	I.	F.	I.	F.	I.		At per.	Amount.		At per.	Amount.	
												s. d.	£.	s. d.	s. d.	£.	s. d.
	Base & plin.	3	10	by	7	6	by 7	6	215	7½							
	Cornice...	1	6	..	7	6	.. 7	6	84	5½							
	Die.....	5	3	..	5	6	.. 5	6	158	9							
	Column.								458	10	Cube measure in pedestal ...	4 4	99	7 11			
	Base & plin.	2	2	..	5	6	.. 5	6	65	6							
	Capital....	2	1	..	5	5	.. 5	5	61	2							
	Shaft	5	10	..	4	7	.. 4	7	122	6							
	Ditto	11	0	..	4	1	.. 4	1	183	5							
	Ditto	11	0	..	3	7	.. 3	7	141	2							
	Ditto	5	10	..	4	0	.. 4	0	93	4							
	One foot of Entablature.								667	1	Ditto in column	4 4	144	10 8			
	Architrave	2	3	..	4	8	.. 1	0	10	6							
	Freeze....	2	3	..	3	4	.. 1	0	7	6							
	Cornice ..	1	11	..	5	0	.. 1	0	9	7							
	Ditto	1	1	..	5	9	.. 1	0	6	3							
									33	10	Do. in 1 foot of entablature	4 4	7	6 7			
											Carried over £....		251	5 2			

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Table XCIII. *continued.*

Superficial in Beds.	*Pedestal.*	Times.	Breadth.				Contents.		*Description of Work.*	*Value in Portland.*				*Value in Granate.*			
										At per.		Amount.			At per.		Amount.	
	Base and cornice....	2	F. 7	I. 5 by	F. 7	I. 5	F. 110	I. 0										
	Die.....	2	5	5 ..	5	5	58	8		s.	d.	£.	s.	d.	s.	d.	£.	s. d.
									Brought over	....		251	5	2				
	Column.						168	8	Supfl. in beds of pedestal...	1	4	11	4	10½				
	Base & plin.	....	5	5 ..	5	5	29	4										
	Capital.....	....	5	5 ..	5	5	29	4										
	Shaft	....	4	6 ..	4	6	20	3										
	Ditto	2	4	0 ..	4	0	32	0										
	Ditto	2	3	6 ..	3	6	24	6										
	Ditto	....	4	0 ..	4	0	16	0										
	One foot of Entablature.						151	5	Ditto of column, including lead and dowels	5	0	37	17	1				
	Architrave.	....	4	4 ..	1	0	4	4										
	Freeze	....	3	3 ..	1	0	3	3										
	Cornice....	....	4	0 ..	1	0	4	0										
	Ditto.....	....	5	0 ..	1	0	5	0										
							16	7	Do. one foot of entablature.	2	8½	2	4	10½				
									Carried forward	---		302	12	0				

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Table XCIII. *continued.*

Superficial of exposed Work.	Times.	Breadth.				Contents.		Description of Work.	Value in Portland.			Value in Granat			
									At per.	Amount.		At per.	Amount.		
		F.	I.	F.	I.	F.	I.		s. d.	£.	s. d.	s. d.	£.	s. d.	
Pedestal.								*Brought forward*	....	302	12 0				
Plinth	4	2	9	by 7	5	81	7								
Die.....	4	5	2	.. 5	5	111	11								
						193	6	Plain work on pedestal....	2 0	19	7 0				
Base.....	4	1	8	.. 7	5	49	4								
Cornice....	4	3	0	.. 7	5	89	0								
Column.						138	4	Molded work ditto.....	2 6	17	5 10				
Plinth	4	0	11	.. 5	5	19	10	Plain plinth to column	2 6	2	9 7				
Base.....	....	2	0	..16	0	32	0	Molded base ditto	3 6	5	12 0				
								Capital complete, 48 inches diameter	10 0	24	0 0				
Fillet and cavetto	....	0	9	..14	0	10	6	Fillet and cavetto	3 0	1	11 6				
Sunk work	....	5	6	..12	7	69	2								
Ditto.....	....	5	6	..11	5	62	9								
						131	11	Sunk work on shaft	3 0	19	15 9				
								Carried over	....	392	13 8				

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Table XCIII. *continued.*

	Column continued.	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
			F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
							s. *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*
Superficial of exposed Work.	Plain work.	....	10 6	by 12 3	128 7					
	Ditto.....	....	10 6	.. 11 6	120 9	*Brought over*	....	392 13 8		
	Entablature.				249 4	Plain work on shaft of column	2 6	31 3 4		
	Architrave.	....	3 5	.. 1 0	3 5	Architrave to entablature...	3 0	0 10 3		
	Freeze....	....	2 2	.. 1 0	2 2					
	Soffit.....	....	4 0	.. 1 0	4 0					
	Inside face.	....	2 2	.. 1 0	2 2					
					8 4	Plain work on ditto	2 3	0 18 9		
	Cornice...	....	6 0	.. 1 0	6 0	Cornice to ditto	3 6	1 1 0		
	Top bed...	....	3 6	.. 1 0	3 6	Plain top bed ditto	1 4	0 4 8		
						Total amount	....	426 11 8		
						If no pedestal, deduct.....	....	147 5 7		
						Nett amount	....	279 6 1		

Note.—If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in, and pouring with lead.

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TABLE XCIV.

HISTORY OF THE CORINTHIAN ORDER.

This Order was first designed by an architect of Athens, and executed at Corinth, whence it had its origin and name.

This Column, including base and capital, is 9 diameters and a half high, and diminishes one-eighth of its diameter; its entablature is one-fifth of the height of the column. The height of the capital is 70 minutes, of which the abacus must be a seventh part; and the remaining part being divided into 3 equal parts, the two lowest gives the height of the first and second tier of leaves; and the third, or upper part, being divided into 2 equal parts, the lower part of the 2 shall be for caulicoli, or scrolls, and the upper the extreme of the volutes. The height of the pedestal is 2 modules 48 minutes; the principal parts thereof are as follows, viz.—

	By the London Art Method.					*By Mr. Gibbs'.*					*By Builders' Repository.*				
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod.	Min.	Mod.	Min.	Min.	Mod.	Min.
Entablature.	Cornice, . . .	0	47½	114 or	1 54	0	48	120 or	2	0	0	47½	114 or	1	54
	Freeze, ...	0	28½			0	36				0	28½			
	Architrave ..	0	38			0	36				0	38			
Column.	Capital	1	10	570 or	9 30	1	10	600 or	10	0	1	10	750 or	9	30
	Shaft.....	7	50			8	20				7	50			
	Base.....	0	30			0	30				0	30			
				684 or	11 24										
Pedestal.	Cornice	0	19	168 or	2 48	0	22½	180 or	3	0	0	21½	171 or	2	51
	Body or die	1	50			1	37½				1	37½			
	Base & plinth	0	39			1	0				0	49			
				Total 852 or	14 12			Total 900 or		15 0			Total 855 or	14	15

So that the whole height of this column (exclusive of its pedestal) by the London Art method, is 684 minutes, or 11 modules 24 minutes; and with its pedestal, 852 minutes, or 14 diameters 12 minutes.

In this Order Mr. Gibbs makes a greater variation than in any other, in all the principal parts of the pedestal, column, and entablature, as will appear by comparing the above scheme.

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Table XCIII. *continued.*

Superficial of exposed Work.	*Column continued.*	Times.	Breadth.				Contents		*Description of Work.*	*Value in Portland.*					*Value in Granate.*				
			F.	I.		F.	I.	F. I.		At per.		Amount.			At per.		Amount.		
	Plain work.	....	10	6	by	12	3	128 7		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
	Ditto.....	....	10	6	..	11	6	120 9	*Brought over*	....		392	13	8					
	Entablature.							249 4	Plain work on shaft of column	2	6	31	3	4					
	Architrave.	....	3	5	..	1	0	3 5	Architrave to entablature...	3	0	0	10	3					
	Freeze....	....	2	2	..	1	0	2 2											
	Soffit.....	....	4	0	..	1	0	4 0											
	Inside face.	....	2	2	..	1	0	2 2											
								8 4	Plain work on ditto	2	3	0	18	9					
	Cornice...	....	6	0	..	1	0	6 0	Cornice to ditto	3	6	1	1	0					
	Top bed...	....	3	6	..	1	0	3 6	Plain top bed ditto	1	4	0	4	8					
									Total amount	....		426	11	8					
									If no pedestal, deduct.....	....		147	5	7					
									Nett amount	....		279	6	1					

Note.—If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in, and pouring with lead.

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TABLE XCIV.

HISTORY OF THE CORINTHIAN ORDER.

This Order was first designed by an architect of Athens, and executed at Corinth, whence it had its origin and name.

This Column, including base and capital, is 9 diameters and a half high, and diminishes one-eighth of its diameter; its entablature is one-fifth of the height of the column. The height of the capital is 70 minutes, of which the abacus must be a seventh part; and the remaining part being divided into 3 equal parts, the two lowest gives the height of the first and second tier of leaves; and the third, or upper part, being divided into 2 equal parts, the lower part of the 2 shall be for caulicoli, or scrolls, and the upper the extreme of the volutes. The height of the pedestal is 2 modules 48 minutes; the principal parts thereof are as follows, viz.—

	By the London Art Method.					*By Mr. Gibbs'.*					*By Builders' Repository.*				
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod.	Min.	Mod.	Min.	Min.	Mod.	Min.
Entablature.	Cornice,	0	47½	114 or	1 54	0	48	120 or	2	0	0	47½	114 or	1	54
	Freeze,	0	28½			0	36				0	28½			
	Architrave	0	38			0	36				0	38			
Column.	Capital	1	10	570 or	9 30	1	10	600 or	10	0	1	10	750 or	9	30
	Shaft	7	50			8	20				7	50			
	Base	0	30			0	30				0	30			
				684 or	11 24										
Pedestal.	Cornice	0	19	168 or	2 48	0	22½	180 or	3	0	0	21½	171 or	2	51
	Body or die	1	50			1	37½				1	37½			
	Base & plinth	0	39			1	0				0	49			
			Total	852 or	14 12		Total	900 or	15	0		Total	855 or	14	15

So that the whole height of this column (exclusive of its pedestal) by the London Art method, is 684 minutes, or 11 modules 24 minutes; and with its pedestal, 852 minutes, or 14 diameters 12 minutes.

In this Order Mr. Gibbs makes a greater variation than in any other, in all the principal parts of the pedestal, column, and entablature, as will appear by comparing the above scheme.

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TABLE XCV.

A Corinthian Column one foot diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 2 feet 11 inches, Column 9 feet 6 inches, Entablature 1 foot 11 inches. Total height 14 feet 4 inches, including base and capital.

Cube Measurement.	Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granate.			
											At per.	Amount.			At per.	Amount.		
Pedestal.	F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
Base & plin.	1	1	by	1	10	by 1	10	3	7											
Cornice...	0	5	..	1	10	.. 1	10	1	5											
Die.....	1	8	...	1	5	.. 1	5	3	4											
Column.								8	4	Cube measure in pedestal ..	4	4	1	16	1	2	6	1	0	10
Base & plin.	0	7	..	1	5	.. 1	5	1	2											
Capital....	1	3	..	1	7	.. 1	7	3	1											
Shaft.....	4	4	..	1	2	.. 1	2	5	11											
Ditto.....	4	2	..	1	1	.. 1	1	4	10											
One foot of Entablature.								15	0	Ditto in column.....	4	4	3	5	0	2	6	1	17	6
Architrave..	0	8	..	1	3	.. 1	0	0	10											
Freeze....	0	8	..	1	0	.. 1	0	0	8											
Cornice....	0	11	..	1	10	.. 1	0	1	8											
								3	2	Do. in 1 foot of entablature.	4	4	0	13	8½	2	6	0	7	11
										Carried forward	-	- -	5	14	9½	....		3	6	3

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Table XCV. *continued.*

Superficial in Beds.	*Pedestal.*	Times.	Breadth. F.	Breadth. I.	Breadth. F.	Breadth. I.	Contents F.	Contents I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
	Base and cornice ..	2	1	9 by	1	9	6	1½	*Brought forward*	....		5	14	9½	....		3	6	3
	Die.....	....	1	4 ..	1	4	1	9											
	Column.						7	10½	Superficial in beds of pedestal	1	4	0	10	6	1	1	0	8	6
	Base & plin.	....	1	4 ..	1	4	1	9											
	Capital....	....	1	6 ..	1	6	2	3											
	Shaft.....	....	1	1 ..	1	1	1	2											
	Ditto.....	....	1	0 ..	1	0	1	0											
	One foot of Entablature.						6	2	Ditto of column, including lead and dowels	5	0	1	10	10	4	6	1	7	9
	Architrave.	....	1	2 ..	1	0	1	2											
	Freeze	....	0	10 ..	1	0	0	10											
	Cornice....	....	1	6 ..	1	0	1	6											
							3	6	Ditto 1 foot of entablature..	2	8½	0	9	5½	2	3	0	7	10½
									Carried over	- - -		8	5	7	- - -		5	10	4½

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Table XCV. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth.....	4	0 9	by 1	9	5 3					
Die.....	4	1 6	.. 1	4	8 0					
					13 3	*Brought over*	....	8 5 7	....	5 10 4½
Base.....	4	0 5	.. 1	9	2 11	Plain work on pedestal	2 0	1 6 6	1 6	0 19 10½
Cornice....	4	0 10	.. 1	9	5 10					
Column.					8 9	Molded ditto	2 6	1 1 10½	2 0	0 17 6
Plinth	4	0 2	.. 1	4	5 4	Lineal of plain work on plinth of column.....	0 8	0 3 6½	0 6	0 2 8
Base	....	0 7	.. 4	2	2 5	Supfl. molded base ditto....	3 6	0 8 5½	3 0	0 7 3
Sunk work.	....	4 1	.. 3	1	12 7					
Ditto	....	4 1	.. 2	10	11 6					
					24 1	Sunk work on shaft, ditto..	3 0	3 12 3	2 4	2 16 2
Astragal...	....	0 3	.. 3	0	3 0	Lineal of astragal ditto....	1 4	0 4 0	1 0	0 3 0
						Capital complete, 12 inches diameter	18 0	10 16 0	16 0	9 12 0
						Carried forward	....	25 18 2½	....	20 8 10

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Superficial of exposed Work.

One foot of Entablature.	Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
								Brought forward	....		25	18	2½	....		20	8	10
Architrave.	....	1	1	by 1	0	1	1	Architrave to entablature..	3	0	0	3	3	2	6	0	2	8½
Freeze	....	0	7	.. 1	0	0	7											
Soffit.....	....	1	0	.. 1	0	1	0											
Inside face.	....	0	6	.. 1	0	0	6											
						2	1	Plain work on ditto	2	6	0	5	2½	2	0	0	4	2
Cornice....	....	1	6	.. 1	0	1	6	Cornice of ditto	3	6	0	5	3	3	0	0	4	6
Top bed do.	....	1	0	.. 1	0	1	0	Plain top bed ditto.....	1	4	0	1	4	1	1	0	1	1
								Total amount	....		26	13	3	....		21	1	3½
								If no pedestal, deduct	....		4	14	11½	....		3	6	8½
								Nett amount	....		21	18	3½	....		17	14	7

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Please to observe, that no certain quantity of carved members could, with propriety, be laid down on pedestal or entablature, it being at the discretion of the architect to have a profusion or small portion of this executed.

Andrew Palladio, in his Treatise on the Orders, gives to the pedestal of this order two carved members to the base and two to the cornice. Entablature one each to the architrave and freeze, and four to the cornice, with carved modillions: raffled flowers in soffit of corona.

The quantities of members to a column of 12 inches diameter, are as follows:—(therefore, by the tables of the Orders, it will be easy to ascertain for any other diameter.)

26 feet to pedestal, (which it is probable, at this period, the Architect would not exceed one half thereof.)
2 feet to architrave and freeze. } In 1 foot of entablature.
4 ditto to cornice. }

Note.—There are two modillions to ditto on this diameter, and one only if the diameter is 24 inches, as the entablature has been laid down through the whole of the work to one foot lineal only. The members will encrease in size, as the diameter is extended, the modillions fewer: the prices of carvers' works being so various, the execution of the work so liable to vary, and the uncertainty of the quantity, that I would not think myself justified in laying down prices on this head, as the gross sum could not be depended upon.

There are a few more remarks, which I propose to make; first, to allow for loss in cube and superficial of joggle joints: these joints in freeze being of various sizes, they can only be ascertained in size and number, when the work is completed, and charged by the joint, viz.—

Including lead, they will be from 10*s.* to 24*s.* per piece.
Chain bars, including lead.... 4*s.* 6*d.* to 6*s.* 6*d.* lineal foot.
Collars to ditto ..... 4*s.* 6*d.* to 6*s.* 6*d.* each.
Cramps, including letting in.. 1*s.* 0*d.* to 2*s.* 0*d.* each.
Dowels ditto ..... 0*s.* 6*d.* to 1*s.* 6*d.* each.

If the shaft of column is fluted, or fluted and counter-fluted, to be valued as molded work; but this seldom happens, except in the Doric and Ionic orders; any ornaments on ditto to be charged separate: if freeze or face or soffit is enriched, to be charged by the superficial foot.

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TABLE XCVI.

A Corinthian Column 2 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 5 feet 8 inches, Column 19 feet, Entablature 3 feet 10 inches. Total height 28 feet 6 inches, including base and capital.

Cube Measurement.	Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granate.			
Pedestal.											At per.	Amount.			At per.	Amount.		
	F.	I.		F.	I.		F.	I.	F. I.		s. d.	£.	s.	d.	s. d.	£.	s.	d.
Base & plin.	2	1	by	3	8	by	3	8	28 0									
Cornice . . .	0	9	..	3	8	..	3	8	10 1									
Die	3	4	..	2	10	..	2	10	26 9									
Column.									64 10	Cube measure in pedestal . .	4 4	14	0	11	2 6	8	2	1
Base & plin.	1	2	..	2	10	..	2	10	9 4									
Capital	2	6	..	3	1	..	3	1	23 9									
Shaft	5	9	..	2	5	..	2	5	33 6									
Ditto	5	8	..	2	2	..	2	2	26 7									
Ditto	5	7	..	2	3	..	2	3	28 3									
One foot of Entablature.									121 5	Ditto in column	4 4	26	6	1½	2 6	15	3	6½
Architrave	1	4	..	2	6	..	1	0	3 4									
Freeze	1	4	..	2	0	..	1	0	2 8									
Cornice	1	10	..	3	8	..	1	0	6 8									
									12 8	Do. 1 foot of entablature . .	4 4	2	14	10½	2 6	1	11	8
										Carried over	....	43	1	11	....	24	17	3½

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Table XCVI. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Base and Cornice..	2	3 6	by 3	6	24 6					
Die	....	2 9	.. 2	9	7 6	*Brought over*	- - -	43 1 11	- - -	24 17 3½
Column.					32 0	Supfl. in beds of pedestal....	1 4	2 2 8	1 1	1 14 8
Base and Plinth ..	....	2 9	.. 2	9	7 6					
Capital . .	....	3 0	.. 3	0	9 0					
Shaft.....	....	2 4	.. 2	4	5 5					
Ditto	....	2 1	.. 2	1	4 4					
Ditto.....	....	2 2	.. 2	2	4 8					
One foot of Entablature.					30 11	Ditto of column, including lead and dowels	5 0	7 14 7	4 6	6 19 1½
Architrave.	....	2 4	.. 1	0	2 4					
Freeze....	....	1 9	.. 1	0	1 9					
Cornice ...	....	3 0	.. 1	0	3 0					
					7 1	Ditto one foot of entablature	2 8½	0 19 2	2 3	0 15 11
						Carried forward	- - -	53 18 4	- - -	34 7 0

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Table XCVI. *continued.*

Superficial of exposed Work	*Pedestal.*	Times.	Breadth. F. I. F. I.	Contents F. I.	*Description of Work.*	*Value in Portland.* At per s. d.	Amount. £. s. d.	*Value in Granate.* At per s. d.	Amount. £. s. d.
	Plinth	4	1 6 by 3 6	21 0					
	Die	4	3 2 — 2 9	34 10	*Brought forward*	---	53 18 4	---	34 7 0
				55 10	Plain work on pedestal	2 0	5 11 8	1 6	4 3 9
	Base	4	0 10 — 3 6	11 8					
	Cornice ...	4	1 8 — 3 6	23 4					
				35 0	Molded ditto	2 6	4 7 6	2 0	3 10 0
	Column.								
	Plinth	4	0 4 — 2 9	3 8	Plain work on plin. to column	2 6	0 9 2	2 0	0 7 4
	Base	....	1 2 — 8 4	9 8					
	Astragal ..	....	0 5 — 6 0	2 6					
				12 2	Molded work on ditto	3 6	2 2 7	3 0	1 16 6
	Sunk work.	....	5 8 — 6 0	34 0					
	Ditto	....	5 6 — 5 6	30 3					
				64 3	Sunk work on shaft ditto ...	3 0	9 12 9	2 4	7 9 11
	Plain ditto	....	5 4 — 5 9	30 8	Plain ditto	2 6	2 6 8	2 0	3 1 4
					Capital complete, 24 inches diameter	21 0	25 4 0	18 6	22 4 0
					Carried over	---	103 12 8	---	76 19 10

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Table XCVI. *continued.*

Superficial of exposed Work.	Times.	Breadth.		Contents.		*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
							At per.	Amount.		At per.	Amount.	
One foot of Entablature.		F. I.	F. I.	F.	I.		*s.* *d.*	£.	*s.* *d.*	*s.* *d.*	£.	*s.* *d.*
						Brought over	....	103	12 8	....	76	19 10
Architrave	....	2 2	by 1 0	2	2	Architrave to entablature..	3 0	0	6 6	2 6	0	5 5
Freeze....	....	1 2	.. 1 0	1	2							
Soffit.....	....	2 0	.. 1 0	2	0							
Inside face	....	1 0	.. 1 0	1	0							
				4	2	Plain work on ditto	2 6	0	10 5	2 0	0	8 4
Cornice...	....	3 0	.. 1 0	3	0	Cornice to ditto	3 6	0	10 6	3 0	0	9 0
Top bed....	....	2 0	.. 1 0	2	0	Plain top bed ditto	1 4	0	2 8	1 1	0	2 2
						Total amount..	....	105	2 8	....	78	4 9
						If no pedestal, deduct.....	....	26	2 9	....	17	10 6
						Nett amount	....	78	19 11	....	60	14 3

Note.—That the carved and ornamental work is not included in the above, or any succeeding calculations, but refered to men of judgment, as this part may be extended or contracted.

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TABLE XCVII.

A Corinthian Column 3 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 8 feet 9 inches, Column 28 feet 6 inches, Entablature 5 feet 9 inches. Total height 43 feet, including base and capital.

Cube Measurement.	Pedestal.	Height F.	Height I.		Breadth F.	Breadth I.		Breadth F.	Breadth I.	Contents F.	Contents I.	Description of Work.	Value in Portland. At per. s.	Value in Portland. At per. d.	Value in Portland. Amount. £.	Value in Portland. Amount. s.	Value in Portland. Amount. d.	Value in Granate. At per. s.	Value in Granate. At per. d.	Value in Granate. Amount. £.	Value in Granate. Amount. s.	Value in Granate. Amount. d.
	Base & plin.	3	2	by	5	5	by 5		5	92	11											
	Cornice . . .	1	2	..	5	5	.. 5		5	34	2											
	Die	4	11	..	4	2	.. 4		2	85	4											
	Column.									212	5	Cube measure in pedestal ..	4	4	46	0	5½	2	6	26	11	0½
	Base & plin.	1	8	..	4	2	.. 4		2	28	11											
	Capital	3	8	..	4	7	.. 4		7	77	0											
	Shaft	5	1	..	3	3	.. 3		3	53	8											
	Ditto	5	1	..	3	1	.. 3		1	48	4											
	Ditto	5	1	..	3	0	.. 3		0	45	9											
	Ditto	5	1	..	2	11	. 2		11	43	3											
	Ditto	5	1	..	2	10	.. 2		10	40	9											
	One foot of Entablature.									337	8	Ditto in column	4	4	73	3	2½	2	6	42	4	2
	Architrave	1	11	..	3	8	.. 1		0	7	0											
	Freeze	1	11	..	2	11	.. 1		0	5	7											
	Cornice . . .	1	8	..	4	0	.. 1		0	6	8											
	Ditto	0	10	..	3	0	.. 1		0	4	2											
										23	5	Ditto in one foot of entab.	4	4	5	1	5½	2	6	2	18	6½
												Carried over . . .			124	5	1½	....		71	13	9

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Table XCVII. *continued.*

Superficial in Beds.	*Pedestal.*	Times.	Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. *s.*	*d.*	Amount. *£.*	*s.*	*d.*	*Value in Granate.* At per. *s.*	*d.*	Amount. *£.*	*s.*	*d.*
	Base and cornice ..	2	5	4	by	5	4	56	10											
	Die	....	4	1	..	4	1	16	8	*Brought over*	....		124	5	1½	....		71	13	9
	Column.							73	6	Superfl. in beds of pedestal.	1	4	4	18	0	1	1	3	19	7½
	Base & plin.	....	4	1	..	4	1	16	8											
	Capital	....	4	2	..	4	2	17	4											
	Shaft	....	3	2	..	3	2	10	0											
	Ditto	....	3	0	..	3	0	9	0											
	Ditto	2	2	9	..	2	9	15	1											
	Ditto	....	2	10	..	2	10	8	0											
	One foot of Entablature.							76	1	Ditto of column, including lead and dowels	5	0	19	0	5	4	6	17	1	4½
	Architrave .	....	3	6	..	1	0	3	6											
	Freeze	....	2	10	..	1	0	2	10											
	Cornice	....	3	0	..	1	0	3	0											
	Ditto	....	4	0	..	1	0	4	0											
								13	4	Ditto 1 foot of entablature	2	8½	1	13	4½	2	3	1	10	0
										Carried forward	....		149	16	11	....		94	4	9

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Table XCVII. *continued.*

Superficial of exposed Work.

	Times.	Breadth.		Contents.		Description of Work.	Value in Portland.			Value in Granate.		
Pedestal.		F. I.	F. I.	F.	I.		At per.	Amount.		At per.	Amount.	
							s. d.	£. s.	d.	s. d.	£. s.	d.
Plinth.....	4	2 2	by 5 4	46	2							
Die	4	4 9	— 4 0	76	0							
						Brought forward	....	149 16	11	....	94 4	9
				122	2	Plain work on pedestal	2 0	12 4	4	1 6	9 3	3
Base.....	4	1 2	— 5 4	24	10							
Cornice....	4	2 6	— 5 4	53	4							
				78	2	Molded work on pedestal ..	2 6	9 15	5	2 0	7 16	4
Column.												
Plinth.....	4	0 6	— 4 0	8	0	Plain plinth to column.....	2 6	1 0	0	2 0	0 16	0
Base.....	- -	1 9	—12 6	21	10							
Astragal...	- - -	0 8	— 9 0	6	0							
				27	10	Molded work ditto.....	3 6	4 17	5	3 0	4 3	6
Sunk work.	- - -	5 0	— 9 0	45	0							
Ditto.....	- - -	5 0	.. 8 6	42	6							
				87	6	Sunk work on shaft ditto...	3 0	13 2	6	2 4	10 4	2
Plain ditto.	- - -	5 0	.. 8 8	43	4							
Ditto.....	- - -	5 0	.. 8 6	42	6							
Ditto.....	- - -	5 0	.. 8 4	41	8							
				127	6	Plain work ditto	2 6	15 18	9	2 0	12 15	0
						Carried over	....	206 15	4	....	139 3	0

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Table XCVII. *continued.*

	Times.	Breadth.				Contents.		Description of Work.	Value in Portland.			Value in Granite.		
									At per	Amount.		At per	Amount.	
		F.	I.	F.	I.	F.	I.		s. d.	£. s. d.		s. d.	£. s. d.	
One foot of Entablature.								*Brought over*	....	206	15 4	....	139	3 0
								Capital complete 36 inches diameter	25 0	45	0 0	22 0	39	12 0
Architrave..	....	3	3	by 1	0	3	3	Architrave to entablature ..	3 0	0	9 9	2 6	0	8 1½
Freeze	....	1	9	.. 1	0	1	9							
Soffit.....	....	3	9	.. 1	0	3	0							
Inside face .	....	1	6	.. 1	0	1	6							
						6	3	Plain work on ditto.....	2 6	0	15 7½	2 0	0	12 6
Cornice....	....	4	6	.. 1	0	4	6	Cornice ditto	3 6	0	15 9	3 0	0	13 6
Top bed ..	....	3	0	.. 1	0	3	0	Plain top bed ditto.....	1 4	0	4 0	1 1	0	3 8
								Total amount	....	284	0 6½	....	180	13 4½
								If no pedestal, deduct	....	72	8 8½	....	47	10 1½
								Nett amount	....	181	12 8	....	133	3 3

For W pedestal at foot of the Shaft.

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TABLE XCVIII.

A Corinthian Column 4 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 11 feet 6 inches, Column 38 feet, Entablature 7 feet 9 inches. Total height 57 feet 3 inches, including base and capital.

Cube Measurement.

Pedestal.	Height F.	Height I.		Breadth F.	Breadth I.		Breadth F.	Breadth I.	Contents F.	Contents I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Base & plin.	4	1	by	7	3	by	7	3	214	7											
Cornice ...	1	5	..	7	3	..	7	3	74	5											
Die	6	6	..	5	8	..	5	8	208	9											
Column.									497	9	Cube measure in pedestal...	4	4	107	16	11					
Base & plin.	2	3	..	5	8	..	5	8	72	3											
Capital....	5	0	..	6	1	..	6	1	185	0											
Shaft	11	6	..	4	7	..	4	7	241	7											
Ditto	5	4	..	4	1	..	4	1	88	9											
Ditto	10	1¼	..	3	8	..	3	8	135	9											
Ditto	5	0	..	3	10	..	3	10	73	5											
One foot of Entablature.									796	9	Ditto in column	4	4	172	12	7					
Architrave	2	7	..	4	11	..	1	0	12	8											
Freeze	2	7	..	3	10	..	1	0	9	11											
Cornice ...	2	4	..	4	6	..	1	9	10	6											
Ditto	1	2	..	5	6	..	1	0	6	5											
									39	6	Do. in 1 foot of entablature	4	4	8	11	2					
											Carried over.	-	-	-	289	0	8				

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Table XCVIII. *continued.*

Superficial in Beds.

Pedestal.	Times.	Breadth. F.	I.		F.	I.	Contents F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Base and cornice ..	2	7	0	by	7	0	98	0											
Die	2	5	6	..	5	6	60	6	*Brought over*	....		289	0	8					
Column.							158	6	Superfl. in beds of pedestal .	1	4	10	11	4					
Base & plin.	....	5	6	..	5	6	30	3											
Capital....	2	5	0	..	5	0	50	0											
Shaft	2	4	4	..	4	4	37	6											
Ditto	....	4	0	..	4	0	16	0											
Ditto	2	3	6	..	3	6	24	6											
Ditto	....	3	8	..	3	8	13	5											
One foot of Entablature.							171	8	Ditto of column, including lead and dowels	5	0	42	18	4					
Architrave.	....	4	8	..	1	0	4	8											
Freeze	....	3	6	..	1	0	3	6											
Cornice ...	....	3	9	..	1	0	3	9											
Ditto.....	....	4	9	..	1	0	4	9											
							16	8	Ditto 1 foot of entablature	2	8½	2	5	1½					
									Carried forward	....		314	15	5½					

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Table XCVIII. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth	4	2 10	by	7 0	79 4					
Die	4	6 4	..	5 6	139 4	*Brought forward*		344 15 5½		
					218 8	Plain work on pedestal	2 0	21 17 4		
Base.....	4	1 9	..	7 0	49 0					
Cornice ...	4	3 4	..	7 0	93 4					
Column.					142 4	Molded ditto	2 6	17 15 10		
Plinth	4	0 8	..	5 6	14 8	Of plain plinth to column..	2 6	1 16 8		
Base.....	....	2 3	..	16 6	37 1					
Astragal ..	....	0 10	..	12 0	10 0					
					47 1	Molded work ditto.....	3 6	8 4 9½		
Sunk work.	....	6 0	..	12 0	72 0					
Ditto.....	....	5 0	..	11 0	55 0					
					127 0	Sunk work on shaft ditto ..	3 0	19 1 0		
Plain work.	....	10 0	..	11 6	115 0					
Ditto.....	....	10 0	..	10 10	108 4					
					223 4	Plain ditto	2 6	27 18 4		
						Carried over		441 9 5		

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Table XCVIII. *continued.*

Superficial of exposed Work.		Times.	Breadth. F. I.		Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
	One foot of Entablature.					*Brought over*	....	441 9 5		
						Capital complete, 48 inches diameter	30 0	72 0 0		
	Architrave .	....	4 4	by 1 0	4 4	Architrave to entablature...	3 0	0 13 0		
	Freeze	....	2 4	.. 1 0	2 4					
	Soffit	....	4 0	.. 1 0	4 0					
	Inside face.	....	2 0	.. 1 0	2 0					
					8 4	Plain work on ditto	2 6	1 0 10		
	Cornice ...	....	6 0	.. 1 0	6 0	Cornice to ditto	3 6	1 1 0		
	Top bed ...	....	4 0	.. 1 0	4 0	Plain top bed ditto	1 4	0 5 4		
						Total amount	....	516 9 7		
						If no pedestal, deduct.....	....	151 3 5		
						Nett amount	....	365 6 2		

Note.—If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in, and pouring with lead.

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TABLE XCIX.

HISTORY OF THE COMPOSITE ORDER.

The Composite Order is so called, because it is composed of the Ionic and Corinthian Orders, and not a complete Order of itself. It is of Roman extraction, and is by many called the Roman Order, and by some the Italian Order. This Order is more slender than the Corinthian, and may be made like it in all parts except in the capital.

This Column, including its base and capital, is 10 diameters high, and diminishes one eighth of its diameter; the entablature is one-fifth of the height of the column; the pedestal is three modules high: the principal parts are as follows, viz—

		By the London Art Method.				*By Mr. Gibbs'.*				*By Builders' Repository.*			
		Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod. Min.	Mod.	Min.	Min.	Mod. Min.
Entablature.	Cornice	0	50	120 or	2 0	0	48	120 or	2 0	0	50	120 or	2 0
	Freeze	0	30			0	36			0	30		
	Architrave	0	40			0	36			0	40		
Column.	Capital	1	10	600 or	10 0	.....		600 or	10 0	.....		600 or	10 0
	Shaft	8	20										
	Base	0	30										
				720 or	12 0								
Pedestal.	Cornice	0	22	180 or	3 0	0	22½	180 or	3 0	0	25½	180 or	3 0
	Body or die	1	53			1	37½			1	43		
	Base & plinth	0	45			1	0			0	51½		
		Total		900 or	15 0	Total		900 or	15 0	Total		900 or	15 0

So that the whole height of this column (exclusive of its pedestal) by the London Art method, is 720 minutes, or 12 modules; and with its pedestal, 900 minutes, or 15 diameters.

In this Order, Mr. Gibbs makes no variation in the principal parts from the Corinthian Order, so that his is only a repetition of the last; but in the Builder's Repository there is a variation from the Corinthian, though not much from Mr. Gibbs.

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TABLE C.

A Composite Column one foot diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 3 feet, Column 10 feet, Entablature, 2 feet. Total height 15 feet, including base and capital.

Cube Measurement.

	Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granite.			
Pedestal.	F.	I.		F.	I.	F.	I.	F.	I.		At per.		Amount.		At per.		Amount.	
											s.	d.	£.	s.	d.	s.	£.	s.	d.
Base & plin.	1	1	by	1	11	by 1	11	3	11									
Cornice...	0	5	..	1	11	.. 1	11	1	6									
Die.....	1	9	...	1	6	.. 1	6	3	11									
Column.								9	4	Cube measure in pedestal..	4	4	2	0	5	2	6	1	3	4
Base & plin.	0	7	..	1	6	.. 1	6	1	4									
Capital....	1	3	..	1	7	.. 1	7	3	1									
Shaft.....	4	4	..	1	2	.. 1	2	5	10									
Ditto.....	4	2	..	1	1	.. 1	1	4	10									
One foot of Entablature.								15	1	Ditto in column.....	4	4	3	5	4	2	6	1	17	8½
Architrave..	0	9	..	1	6	.. 1	0	1	1									
Freeze....	0	8	..	1	6	.. 1	0	1	0									
Cornice....	0	11	..	2	1	.. 1	0	1	11									
								4	0	Do. in 1 foot of entablature.	4	4	0	17	4	2	6	0	10	0
										Carried forward	- - -		6	3	1	....		3	11	0½

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Table C. *continued.*

Superficial in Beds.	Times.	Breadth. F. I.		F. I.	Contents: F. I.	Description of Work.	Value in Portland. At per. s. d.	Amount. £. s. d.	Value in Granate. At per. s. d.	Amount. £. s. d.
Pedestal.										
Base and cornice ..	2	1 10	by	1 10	6 8	*Brought forward*	....	6 3 1	....	3 11 0½
Die.....	....	1 5	..	1 5	2 0					
					8 8	Superficial in beds of pedestal	1 4	0 11 6½	1 1	0 9 4½
Column.										
Base & plin.	....	1 5	..	1 5	2 0					
Capital	....	1 6	..	1 6	2 3					
Shaft.....	....	1 1	..	1 1	1 2					
Ditto.....	....	1 0	..	1 0	1 0					
					6 5	Ditto of column, including lead and dowels	5 0	1 12 1	4 6	1 8 10½
One foot of Entablature.										
Architrave.	....	1 4	..	1 0	1 4					
Freeze	....	1 3	..	1 0	1 3					
Cornice....	....	1 6	..	1 0	1 6					
					4 1	Ditto 1 foot of entablature..	2 8½	0 11 0½	2 3	0 9 2
						Carried over	- - -	8 17 9	- - -	5 18 5½

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Table C. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F. I.		F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	Amount. £. s. d.	*Value in Granate.* At per. s. d.	Amount. £. s. d.
Plinth.....	4	0 9	by 1	10	5 6					
Die.....	4	1 7	.. 1	5	9 0					
					14 6	*Brought over*	....	8 17 9	....	5 18 5½
						Plain work on pedestal	2 0	1 9 0	1 6	1 1 9
Base.....	4	0 5	.. 1	10	3 0					
Cornice....	4	0 10	.. 1	10	6 1					
					9 1	Molded ditto	2 6	1 2 8½	2 0	0 18 2
Column.										
Plinth	4	0 2	.. 1	5	5 8	Lineal of plain work on plinth of column.....	0 8	0 3 9½	0 6	0 2 10
Base	....	0 7	.. 4	3	2 5	Supfl. molded base ditto....	3 6	0 8 5½	3 0	0 7 3
Astragal...	....	0 3	.. 3	0	3 0	Lineal of astragal ditto....	1 4	0 4 0	1 0	0 3 0
Sunk work.	....	4 3	.. 3	1	13 1					
Ditto	....	4 1	.. 2	10	11 7					
					24 8	Sunk work on shaft, ditto.	3 0	3 14 0	2 4	2 17 6½
						Capital complete, 12 inches diameter	18 0	10 16 0	16 0	9 12 0
						Carried forward	....	26 15 8½	....	21 1 0

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Table C. *continued.*

Superficial of exposed Work.	Times.	Breadth.		Contents.		*Description of Work.*	*Value in Portland.*				*Value in Granate.*			
							At per.	Amount.			At per.	Amount.		
One foot of Entablature.		F.	I. F.	I. F.	I.		*s.* *d.*	£.	*s.*	*d.*	*s.* *d.*	£.	*s.*	*d.*
						Brought forward	....	26	15	8½	....	21	1	0
Architrave	....	1	1 by 1	0 1	1	Architrave to entablature..	3 0	0	3	3	2 6	0	2	8½
Freeze....	....	0	9 .. 1	0 0	9	Swelled freeze to ditto	3 6	0	2	7½	3 0	0	2	3
Soffit.....	....	1	0 .. 1	0 1	0									
Inside face	....	0	6 .. 1	0 0	6									
				1	6	Plain work ditto	2 6	0	3	9	2 0	0	3	0
Cornice...	....	1	6 .. 1	0 1	6	Cornice to ditto	3 6	0	5	3	3 0	0	4	6
Top bed....	....	1	0 .. 1	0 1	0	Plain top bed ditto	1 4	0	1	4	1 1	0	1	1
						Total amount..	....	27	11	11	....	21	14	6½
						If no pedestal, deduct.....	....	5	3	8	....	3	12	7½
						Nett amount	....	22	8	3	....	18	1	11

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Table C. *continued.*

Superficial of exposed Work.	Times.	Breadth.	Contents.	Description of Work.	Value in Portland. At per.	Value in Portland. Amount.	Value in Granate. At per.	Value in Granate. Amount.
Pedestal.		F. I. by F. I.	F. I.		s. d.	£. s. d.	s. d.	£. s. d.
Plinth.....	4	0 9 by 1 10	5 6					
Die.....	4	1 7 .. 1 5	9 0					
				Brought over	....	8 17 9	....	5 18 5½
			14 6	Plain work on pedestal	2 0	1 9 0	1 6	1 1 9
Base.....	4	0 5 .. 1 10	3 0					
Cornice....	4	0 10 .. 1 10	6 1					
Column.			9 1	Molded ditto	2 6	1 2 8½	2 0	0 18 2
Plinth	4	0 2 .. 1 5	5 8	Lineal of plain work on plinth of column.....	0 8	0 3 9½	0 6	0 2 10
Base	....	0 7 .. 4 3	2 5	Supfl. molded base ditto....	3 6	0 8 5½	3 0	0 7 3
Astragal...	....	0 3 .. 3 0	3 0	Lineal of astragal ditto....	1 4	0 4 0	1 0	0 3 0
Sunk work.	....	4 3 .. 3 1	13 1					
Ditto	....	4 1 .. 2 10	11 7					
			24 8	Sunk work on shaft, ditto.	3 0	3 14 0	2 4	2 17 6½
				Capital complete, 12 inches diameter	18 0	10 16 0	16 0	9 12 0
				Carried forward	....	26 15 8½	....	21 1 0

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Table C. *continued.*

Superficial of exposed Work.

	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*			*Value in Granate.*		
One foot of Entablature.		F. I.	F. I.	F. I.		At per.	Amount.		At per.	Amount.	
						s. *d.*	£. *s.* *d.*		*s.* *d.*	£. *s.* *d.*	
					Brought forward	....	26 15 8½		....	21 1 0	
Architrave	....	1 1 by	1 0	1 1	Architrave to entablature..	3 0	0 3 3		2 6	0 2 8½	
Freeze....	....	0 9 ..	1 0	0 9	Swelled freeze to ditto	3 6	0 2 7½		3 0	0 2 3	
Soffit.....	....	1 0 ..	1 0	1 0							
Inside face	....	0 6 ..	1 0	0 6							
				1 6	Plain work ditto	2 6	0 3 9		2 0	0 3 0	
Cornice...	....	1 6 ..	1 0	1 6	Cornice to ditto	3 6	0 5 3		3 0	0 4 6	
Top bed....	....	1 0 ..	1 0	1 0	Plain top bed ditto	1 4	0 1 4		1 1	0 1 1	
					Total amount..	....	27 11 11		....	21 14 6½	
					If no pedestal, deduct.....	....	5 3 8		....	3 12 7½	
					Nett amount	....	22 8 3		....	18 1 11	

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TABLE CI.

A Composite Column 2 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 6 feet, Column 20 feet, Entablature 4 feet. Total height 30 feet, including base and capital.

Cube Measurement.		Height			Breadth.				Contents.		Description of Work.	Value in Portland.				Value in Granate.			
	Pedestal.											At per.		Amount.			At per.	Amount.	
		F.	I.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
	Base & plin.	2	1	by	3	9	by 3	9	29	3											
	Cornice ...	0	9	..	3	9	.. 3	9	10	6											
	Die	3	5	..	3	0	.. 3	0	30	9											
	Column.								70	6	Cube measure in pedestal ...	4	4	15	5	6	2	6	8	16	3
	Base & plin.	1	2	..	3	0	.. 3	0	10	6											
	Capital....	2	6	..	3	1	.. 3	1	23	9											
	Shaft	5	8	..	2	3	.. 2	3	28	8											
	Ditto	5	6	..	2	0	.. 2	0	22	0											
	Ditto	5	6	..	2	0	.. 2	0	22	0											
	One foot of Entablature.								106	11	Ditto in column	4	4	23	3	3½	2	6	13	7	3½
	Architrave	1	5	..	2	11	.. 1	0	4	1											
	Freeze	1	4	..	2	11	.. 1	0	3	10											
	Cornice ..	1	10	..	4	1	.. 1	0	7	6											
									15	5	Do. in 1 foot of entablature	4	4	3	6	9½	2	6	1	18	6½
											Carried forward	....		41	15	7	- - -		24	2	1

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Superficial in Beds.	Times.	Breadth. F. I.	Breadth. F. I.	Contents. F. I.	*Description of Work.*	*Value in Portland.* At per. s. d.	*Value in Portland.* Amount. £. s. d.	*Value in Granate.* At per. s. d.	*Value in Granate.* Amount. £. s. d.
Pedestal.									
Base and cornice...	2	3 8 by	3 8	26 11	*Brought forward*	....	41 15 7	....	24 2 1
Die.....	....	2 10 ..	2 10	8 0					
Column.				34 11	Supfl. in beds of pedestal...	1 4	2 6 6½	1 1	1 17 9½
Base & plin.	....	2 10 ..	2 10	8 0					
Capital.....	....	3 0 ..	3 0	9 0					
Shaft	....	2 2 ..	2 2	4 8					
Ditto	2	1 10 ..	1 10	6 8					
One foot of Entablature.				28 4	Ditto of column, including lead and dowels.....	5 0	7 1 8	4 6	6 7 6
Architrave.	....	2 9 ..	1 0	2 9					
Freeze	....	2 8 ..	1 0	2 8					
Cornice....	....	3 0 ..	1 0	3 0					
				8 5	Do. one foot of entablature.	2 8½	1 2 9½	2 3	0 19 0
					Carried over	...	52 6 7	....	33 6 4½

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Table CI. *continued.*

Superficial of exposed Work.

Pedestal.	Times.	Breadth. F.	I.		F.	I.	Contents. F.	I.
Plinth	4	1	6	by	3	8	22	0
Die.....	4	3	3	..	2	10	36	10
							58	10
Base.....	4	0	10	..	3	8	12	2
Cornice....	4	1	8	..	3	8	24	5
							36	7
Column.								
Plinth	4	0	4	..	2	10	3	9
Base.....	....	1	2	..	8	6	9	11
Sunk work	....	5	6	..	6	0	33	0
Ditto.....	....	5	4	..	5	9	30	8
							63	8
Plain work.	....	5	4	..	5	10	31	1
Astragal...	....	0	5	..	6	0	2	6

Description of Work.	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granat.* At per. s.	d.	Amount. £.	s.	d.
Brought over	....		52	6	7	....		33	6	4½
Plain work on pedestal....	2	0	5	17	8	1	6	4	8	3
Molded work ditto.....	2	6	4	11	5½	2	0	3	13	2
Plain plinth to column	2	6	0	9	4½	2	0	0	7	6
Molded base ditto	3	6	1	14	8½	3	0	1	9	9
Sunk work on shaft ditto ..	3	0	9	11	0	2	4	7	8	6½
Plain ditto.....	2	6	3	17	8½	2	0	3	2	2
Molded astragal ditto.....	3	6	0	8	9	3	0	0	7	6
Capital complete, 24 inches diameter	21	0	25	4	0	18	0	21	12	0
Carried forward	....		104	1	3	....		75	15	3

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Table CI. *continued.*

Superficial of exposed Work.	*One foot of Entablature.*	Times.	Breadth. F.	Breadth. I.	Breadth. F.	Breadth. I.	Contents. F.	Contents. I.	*Description of Work.*	*Value in Portland.* At per. s.	*Value in Portland.* At per. d.	*Value in Portland.* Amount. £.	*Value in Portland.* Amount. s.	*Value in Portland.* Amount. d	*Value in Granate.* At per. s.	*Value in Granate.* At per. d.	*Value in Granate.* Amount. £.	*Value in Granate.* Amount. s.	*Value in Granate.* Amount. d
									Brought forward	....		104	1	3	....		75	15	3
	Architrave.	....	2	2	by 1	0	2	2	Architrave to entablature..	3	0	0	6	6	2	6	0	5	5
	Freeze	....	1	6	.. 1	0	1	6	Swelled freeze ditto	3	6	0	5	3	3	0	0	4	6
	Soffit.....	....	2	0	.. 1	0	2	0											
	Inside face.	....	1	0	.. 1	0	1	0											
							3	0	Plain work on ditto	2	6	0	7	6	2	0	0	6	0
	Cornice....	....	3	0	.. 1	0	3	0	Cornice ditto	3	6	0	10	6	3	0	0	9	0
	Top bed do.	....	2	0	.. 1	0	2	0	Plain top bed ditto.....	1	4	0	2	8	1	1	0	2	2
									Total amount	....		105	13	8	....		77	2	4
									If no pedestal, deduct	....		28	1	2	....		18	15	5½
									Nett amount	....		77	12	6	....		58	6	10½

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TABLE CII.

A Composite Column 3 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 9 feet, Column 30 feet, Entablature 6 feet. Total height 45 feet, including base and capital.

Cube Measurement.

Pedestal.	Height F.	Height I.		Breadth. F.	Breadth. I.		Breadth. F.	Breadth. I.	Contents F.	Contents I.	*Description of Work.*	*Value in Portland.* At per. *s.*	At per. *d.*	Amount. *£.*	Amount. *s.*	Amount. *d.*	*Value in Granate.* At per. *s.*	At per. *d.*	Amount. *£.*	Amount. *s.*	Amount. *d.*
Base & plin.	3	1	by	5	7	by	5	7	96	1											
Cornice ...	1	1	..	5	7	..	5	7	33	9											
Die	5	0	..	4	7	..	4	7	105	0											
Column.									234	10	Cube measure in pedestal ..	4	4	50	17	7	2	6	29	7	1
Base & plin.	1	8	..	4	7	..	4	7	35	0											
Capital	3	8	..	4	8	..	4	8	79	10											
Shaft	5	7	..	3	4	..	3	4	62	0											
Ditto	5	1	..	3	1	..	3	1	48	4											
Ditto	10	2	..	2	9	..	2	9	76	10											
Ditto	4	7	..	2	11	..	2	11	39	0											
One foot of Entablature.									341	0	Ditto in column	4	4	73	17	8	2	6	42	12	6
Architrave	2	2	..	4	5	..	1	0	9	7											
Freeze	2	1	..	4	5	..	1	0	9	2											
Cornice ...	1	5	..	4	7	..	1	0	6	6											
Ditto	1	1	..	6	1	..	1	0	6	7											
									31	10	Ditto in one foot of entab.	4	4	6	17	11	2	6	3	19	7
											Carried over	---		131	13	2	....		75	19	2

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Superficial in Beds.	Times.	Breadth. F.	Breadth. I.	Breadth. F.	Breadth. I.	Contents. F.	Contents. I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Pedestal.																		
Base and Cornice..	2	5	6 by	5	6	60	6	*Brought forward*	-	-	130	18	10	-	-	75	16	8
Die	....	4	6 ..	4	6	20	3											
Column.						80	9	Supfl. in beds of pedestal....	1	4	5	7	8	1	1	4	7	5½
Base and Plinth ..	....	4	6 ..	4	6	20	3											
Capital ...	....	4	0 ..	4	0	16	0											
Shaft.....	....	3	2 ..	3	2	10	0											
Ditto	2	2	11 ..	2	11	17	0											
Ditto	2	2	9 ..	2	9	15	1											
One foot of Entablature.						78	4	Ditto of column, including lead and dowels	5	0	19	11	8	4	6	17	12	6
Architrave.	....	4	0 ..	1	0	4	0											
Freeze	....	4	0 ..	1	0	4	0											
Cornice ...	....	4	0 ..	1	0	4	0											
Ditto	....	5	0 ..	1	0	5	0											
						17	0	Ditto one foot of entablature	2	8½	2	6	0½	2	4	1	19	8
								Carried over	-	-	158	4	2½	-	-	99	16	3½

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Table CII. *continued.*

Superficial of exposed Work		Times.	Breadth.				Contents.		Description of Work.	Value in Portland. At per.		Value in Portland. Amount.			Value in Granate. At per.		Value in Granate. Amount.		
	Pedestal.		F.	I.	F.	I.	F.	I.		s.	d.	£.	s.	d.	s.	d.	£.	s.	d.
	Plinth	4	2	2	by 5	6	47	8											
	Die	4	4	10	— 4	5	85	4	*Brought over*	- - -		158	4	2½	- - -		99	16	3½
							133	0	Plain work on pedestal	2	0	13	6	0	1	6	9	19	6
	Base	4	1	2	— 5	6	25	8											
	Cornice ...	4	2	6	— 5	6	55	0											
	Column.						80	8	Molded ditto	2	6	10	1	8	2	0	8	1	4
	Plinth	4	0	6	— 4	5	8	10	Plain plinth to column	2	6	1	2	1	2	0	0	17	8
	Base	....	1	8	—12	8	21	1	Molded base ditto	3	6	3	13	9½	3	0	3	3	3
	Sunk work.	....	5	6	— 9	0	49	6											
	Ditto	....	4	6	— 8	6	38	3											
							87	9	Sunk work on shaft ditto ...	3	0	13	3	3	2	4	10	4	9
	Plain work.	....	5	0	— 8	9	43	9											
	Ditto.....	....	10	0	— 8	3	82	6											
							126	3	Plain ditto	2	6	15	5	7½	2	0	12	12	6
	Astragal ..	....	0	8	— 9	0	6	0	Astragal ditto	3	6	1	1	0	3	0	0	18	0
									Capital complete, 36 inches diameter	25	0	45	0	0	21	0	37	16	0
									Carried forward	- - -		260	17	7½	- - -		183	9	3½

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Table CII. *continued.*

Superficial of exposed Work.		Times.	Breadth. F.	I.	F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
	One foot of Entablature.								*Brought forward*	....		260	17	7½	....		183	9	3½
	Architrave..	....	3	2	by 1	0	3	2	Architrave to entablature ..	3	0	0	9	6	2	6	0	7	11
	Freeze	....	2	3	.. 1	0	2	3	Swelled freeze ditto	3	0	0	6	9	2	6	0	5	7½
	Soffit.....	....	3	0	.. 1	0	3	0											
	Inside face .	....	1	6	.. 1	0	1	6											
							4	6	Plain work on ditto.....	2	6	0	11	3	2	0	0	9	0
	Cornice	....	4	6	.. 1	0	4	6	Cornice to ditto	3	6	0	15	9	3	0	0	13	6
	Top bed ..	....	3	0	.. 1	0	3	0	Plain top bed ditto.....	1	4	0	4	0	1	1	0	3	3
									Total amount	....		263	4	10½	....		185	8	7
									If no pedestal, deduct	....		78	18	7	....		51	12	10½
									Nett amount	....		184	6	3½	....		133	15	9½

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TABLE CIII.

A Composite Column 4 feet diameter, including Pedestal and Entablature, the heighths are as follows, viz.—The Pedestal 12 feet, Column 40 feet, Entablature 8 feet. Total height 60 feet, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Base & plin.	4	1	by	7	5	by	7	5	224	7											
Cornice...	1	5	..	7	5	..	7	5	77	11											
Die.....	6	7	..	5	10	..	5	10	224	0											
Column.									526	6	Cube measure in pedestal...	4	4	114	1	6					
Base & plin.	2	2	..	6	0	..	6	0	78	0											
Capital....	5	0	..	6	1	..	6	1	185	0											
Shaft	5	8	..	4	4	..	4	4	106	4											
Ditto	11	3	..	4	1	..	4	1	187	7											
Ditto	11	2	..	3	9	..	3	9	157	0											
Ditto	5	8	..	3	10	..	3	10	83	3											
One foot of Entablature.									797	2	Ditto in column	4	4	172	14	4½					
Architrave	2	9	..	5	9	..	1	0	15	9											
Freeze	2	8	..	5	9	..	1	0	15	4											
Cornice....	2	2	..	6	0	..	1	0	13	0											
Ditto.....	1	6	..	8	0	..	1	0	12	0											
									56	1	Do. in 1 foot of entablature	4	4	12	3	0					
											Carried forward	....		298	18	10½					

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Table CIII. *continued.*

Superficial in Beds.

Pedestal.	Times.	Breadth.		Contents.	*Description of Work.*	*Value in Portland.*		*Value in Granate.*	
		F. I.	F. I.	F. I.		At per.	Amount.	At per.	Amount.
Base and cornice ..	2	7 4	by 7 4	107 6		*s.* *d.*	*£.* *s.* *d.*	*s.* *d.*	*£.* *s.* *d.*
Die	2	5 10	.. 5 10	68 0	*Brought forward*	....	298 18 10½		
Column.				175 6	Superfl. in beds of pedestal.	1 4	11 14 0		
Base & plin.	....	5 10	.. 5 10	34 0					
Capital	2	5 0	.. 5 0	50 0					
Shaft	....	4 2	.. 4 2	17 0					
Ditto	2	4 0	.. 4 0	32 0					
Ditto	3	3 8	.. 3 8	40 4					
One foot of Entablature.				173 4	Ditto of column, including lead and dowels	5 0	43 6 8		
Architrave .	....	5 9	.. 1 0	5 9					
Freeze	....	5 9	.. 1 0	5 9					
Cornice	....	4 6	.. 1 0	4 6					
Ditto	....	5 6	.. 1 0	5 6					
				21 6	Ditto 1 foot of entablature	2 8½	2 18 2½		
					Carried over	....	356 17 9		

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TABLE CIII.

A Composite Column 4 feet diameter, including Pedestal and Entablature, the heights are as follows, viz.—The Pedestal 12 feet, Column 40 feet, Entablature 8 feet. Total height 60 feet, including base and capital.

Cube Measurement.

Pedestal.	Height F.	I.		Breadth. F.	I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. *s.*	*d.*	Amount. £.	*s.*	*d.*	*Value in Granate.* At per. *s.*	*d.*	Amount. £.	*s.*	*d.*
Base & plin.	4	1	by	7	5	by	7	5	224	7											
Cornice...	1	5	..	7	5	..	7	5	77	11											
Die.....	6	7	..	5	10	..	5	10	224	0											
Column.									526	6	Cube measure in pedestal...	4	4	114	1	6					
Base & plin.	2	2	..	6	0	..	6	0	78	0											
Capital....	5	0	..	6	1	..	6	1	185	0											
Shaft.....	5	8	..	4	4	..	4	4	106	4											
Ditto	11	3	..	4	1	..	4	1	187	7											
Ditto.....	11	2	..	3	9	..	3	9	157	0											
Ditto	5	8	..	3	10	..	3	10	83	3											
One foot of Entablature.									797	2	Ditto in column	4	4	172	14	4½					
Architrave	2	9	..	5	9	..	1	0	15	9											
Freeze....	2	8	..	5	9	..	1	0	15	4											
Cornice....	2	2	..	6	0	..	1	0	13	0											
Ditto.....	1	6	..	8	0	..	1	0	12	0											
									56	1	Do. in 1 foot of entablature	4	4	12	3	0					
											Carried forward	....		298	18	10½					

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Table CIII. *continued.*

Superficial in Beds.

Pedestal.	Times.	Breadth. F. I.		F.	I.	Contents. F.	I.	*Description of Work.*	*Value in Portland.* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
Base and cornice ..	2	7	4 by	7	4	107	6											
Die	2	5	10 ..	5	10	68	0	*Brought forward*	....		298	18	10½					
Column.						175	6	Superfl. in beds of pedestal.	1	4	11	14	0					
Base & plin.	....	5	10 ..	5	10	34	0											
Capital	2	5	0 ..	5	0	50	0											
Shaft	....	4	2 ..	4	2	17	0											
Ditto	2	4	0 ..	4	0	32	0											
Ditto	3	3	8 ..	3	8	40	4											
One foot of Entablature.						173	4	Ditto of column, including lead and dowels	5	0	43	6	8					
Architrave .	....	5	9 ..	1	0	5	9											
Freeze	....	5	9 ..	1	0	5	9											
Cornice	....	4	6 ..	1	0	4	6											
Ditto	....	5	6 ..	1	0	5	6											
						21	6	Ditto 1 foot of entablature	2	8½	2	18	2½					
								Carried over	....		356	17	9					

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Table CIII. *continued.*

Superficial of exposed Work.

	Times.	Breadth.		Contents.		Description of Work.	Value in Portland.			Value in Granite.		
		F.	I.	F.	I.		At per.	Amount.		At per.	Amount.	
							s. d.	£. s. d.		s. d.	£. s. d.	
Pedestal.						*Brought over*	....	356 17 9				
Plinth.....	4	2	11 by	7	4	85 6						
Die	4	6	6 —	5	9	149 6						
						235 0	Plain work on ditto	2 0	23 10 0			
Base.....	4	1	8 —	7	4	48 10						
Cornice....	4	3	4 —	7	4	97 9						
						146 7	Molded work on pedestal ..	2 6	18 6 5½			
Column.												
Plinth.....	4	0	8 —	5	9	15 4	Plain plinth to column.....	2 6	1 18 4			
Base.....	- - -	2	3 —	17	0	38 3						
Astragal...	- -	0	10 —	12	0	10 0						
						48 3	Molded work on ditto	3 6	8 8 10½			
Sunk work.	- - -	5	6 —	12	0	66 0						
Ditto.....	- - -	5	6 —	11	3	61 10						
						127 10	Sunk work on shaft ditto...	3 0	19 3 6			
Plain ditto.	- - -	11	2 —	11	6	128 5						
Ditto	- - -	11	1 —	11	0	121 11						
						250 4	Plain work ditto	2 6	31 5 10			
							Carried forward	....	459 10 9			

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Table CIII. *continued.*

Superficial of exposed Work.		Times.	Breadth. F.	I.		F.	I.	Contents F.	I.	*Description of Work.*	*Value in Portland* At per. s.	d.	Amount. £.	s.	d.	*Value in Granate.* At per. s.	d.	Amount. £.	s.	d.
	One foot of Entablature.									*Brought forward*	....		459	10	9					
										Capital complete, 48 inches diameter	30	0	72	0	0					
	Architrave.	....	4	4	by	1	0	4	4	Architrave to entablature...	3	0	0	13	0					
	Freeze....	....	3	0	..	1	0	3	0	Swelled freeze to ditto	3	0	0	9	0					
	Soffit.....	....	4	0	..	1	0	4	0											
	Inside face.	....	2	0	..	1	0	2	0											
								6	0	Plain work on ditto	2	6	0	15	0					
	Cornice...	....	6	0	..	1	0	6	0	Cornice to ditto	3	6	1	1	0					
	Top bed...	....	4	0	..	1	0	4	0	Plain top bed ditto	1	4	0	5	4					
										Total amount	....		534	14	1					
										If no pedestal, deduct.....	....		168	1	6½					
										Nett amount	....		366	12	6½					

Note. If rubble mason's work in heart of pedestal, charge for same by the perch, and deduct so many feet and inches off the cube measurement, which has been charged as if thorough; also, in proportion to the plain work on the beds, which has been charged in like manner: see the dimentions on each column, where such may occur, as this difference will only be found to arise where the pedestal exceeds the possibility of getting stones so large as to perform the work, without backing same with rough masonry, in consequence of which, there will be cramps, dowels, and lead required; also, in the entablature, together with chain bars and collars, including letting in and pouring with lead.

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Description and use of TABLE CIV. *for finding the diameter, in proportion to any height of Columns or Pilasters, throughout all the Five Orders in Architecture.*

THE first column towards the left hand, is the height of the column or pilaster, in feet and inches, from 5 to 20 feet high, in a gradual ascent of 3 inches. On the top of the Table is the names of the Five Orders, viz. TUSCAN, DORIC, IONIC, CORINTHIAN, and COMPOSITE, and shews how many heads in the Table goes to each Order, which are four to each Order; and right under TUSCAN, DORIC, &c. is inserted the variety of cases that the diameter is calculated to, viz. the column alone; the column and entablature; the column, entablature, and pedestal; and the column and pedestal only.

These are all the variety of cases that can possibly happen in practice. In each column there are two rows of figures; the first of which are inches, and the other so many 16ths of an inch.

EXAMPLE.

If it be required to find the diameter for erecting the Doric column with its entablature, to a limited height of 8 feet 6 inches, seek in the first column for 8 feet 6 inches; then, on the top of the Table, under Doric, for column and entablature; and in the angle of meeting, you will find there set down 10, 3, which signifies 10 inches and 3 sixteenths of an inch; which is the exact diameter in proportion to the limited height required.

Proceed in the same manner for any other Order in any case whatever.

Note. If you require the diameter to any height greater or less than is in the Table, proceed in this manner: if the height is greater than any in the Table, seek for a diameter to half that height; and, when found, double the diameter, and the product is the diameter sought.

Again—If the height is less than any in the Table, seek for a diameter, double the height, and take half thereof for the diameter sought, and you have your desire.

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p 336 a

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ON SLATERS' WORK.

The greatest beauty in the appearance, as well as the utility of this work, is in the regularity and closeness in performing it; so that when completed, it may not have a superfluous cover, and at the same time a full sufficiency to render the work proof against wet and storm.

In roofs of a modern pitch, 2¼ to 2½ inches cover will do for small slates, and 2½ to 3 inches for large; if the roof is more flat, the cover must be augmented, as the person employed may think requisite: but it will be advisable not to make it less, in any case, even if the roof is more elevated. There is another remark to be made respecting the inclined joints up the roof, which are to be regular over the centre, if possible, of the slate next under them, as it often happens wet makes its way through, owing to a neglect of not having proper regard to breaking joints.

There is some difficulty in setting a valley; but the great principle is the exact form of setting the first course, or raising it behind, not to excess, but to a certain pitch, so that all the succeeding courses shall appear close, and not be defective in respect to the inner parts for tiering or pointing. Eaves must be prominent in front, to have close joints or beds all over, up to the ridge.

There are different sorts of slates in use, viz.—Carnarvon slates, Milled Tons, Sized Tons, Bangor Tons, Duchess, Countess, Best Ladys, Inferior Ladys, Doubles, Singles, and some others that are not frequently used here.

N. B. In measuring, no deductions are to be made for chimney shafts, or sky-lights, in workmanship only.

Hips, vallies, and eaves, added to the contents of the roof in the following proportion, viz.—Ton eaves, one foot six inches; duchess, countess, and ladys, one foot; doubles and singles, six inches; also, for hips and vallies in tun slating, two feet allowed for every foot lineal; and in all other slat-

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ing, one foot for ditto: cants in upright ton slating, one foot, and in all other slating, six inches; also, for upright quoins to walls and chimnies, if neatly returned, one foot lineal added to the contents for each lineal foot.

Slaters' work is measured by the square of 100 feet superficial.

TABLE CV.

Prices of Materials in the City of Dublin, taken at the present average price.

	from			to		
	£.	s.	d.	£.	s.	d.
Milled tons at per ton	4	0	0			
Sized tons, ditto.....	3	15	0			
Bangor tons, ditto.....	3	0	0			
Duchess slates at per thousand ..	13	13	0			
Countess slates, ditto	7	10	0			
Ladys slates, ditto	3	12	6			
Double slates, ditto	1	16	0	2	0	0
Single slates, ditto	1	6	0			
Pan tiles at per hundred	0	18	0			
Fire ridge tiles, per dozen	0	11	0			
Ridge tiles ditto	0	4	6			
Six feet slating laths at per hund...	0	7	0			
Four feet ditto, ditto	0	4	6	0	5	0
Three feet ditto, ditto	0	3	3			

One thousand of duchess slates will cover 10 squares; weight three ton.

Ditto countess ditto six square, weight two ton.

Ditto ladys ditto three square, weight one ton five cwt.

Ditto doubles ditto 2 to 2¼ square, weight 15 cwt.

Ditto singles ditto one square.

Sized tuns will cover 2¼ square,

One hundred and sixty-five tiles will cover one square.

One ton of Westmoreland, or any other strong slates, will cover about one square, and one-fourth of work.

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TABLE CVI.

Prices of Slaters' Work, furnishing all Materials.

	from			to		
Patent slating done on sawed laths in best manner, complete at per square	£. 3	s. 5	d. 0	£. 3	s. 10	d. 0
Ton slating done in imperial manner on sawed laths, and counter-lathed ditto	3	3	0	3	8	3
Ditto in common manner with Bangor tons, ditto	2	15	0	3	0	0
Duchess slating, ditto	2	8	0	2	10	0
Countess slating, ditto	2	6	0	2	8	0
Best ladys slating, ditto	2	5	0	2	7	0
Inferior ditto ditto	2	2	0	2	5	6
Weather slating done with doubles at per square	2	0	0	2	4	0
Taking off old slating and clearing rubbish off the roof, ditto	0	3	3	0	3	9
Stripping and covering done with new and old slates, ditto	1	5	0	1	9	2
New double slating, ditto	1	16	0	2	0	0
New single slating, ditto	1	10	0	1	12	6
Pointing, ditto	0	5	3	0	6	6
Pan tiling (English) ditto	1	18	0	2	2	0
Red ridge stone, at per foot,	0	1	3	0	1	6
White ditto ditto	0	1	6	0	1	9
Fire tiles ditto	0	0	10	0	1	0

TABLE CVII.

Prices of Slaters' Work—Workmanship only.

	from			to		
	£.	s.	d.	£.	s.	d.
Patent slating, at per square	0	16	8	0	18	8
Imperial ton slating, ditto	0	15	0	0	16	8
Common ton slating, ditto	0	12	6	0	15	0
Duchess, countess, or ladys slating at per square	0	12	0	0	13	6
Weather slating, ditto	0	15	0	0	16	6
Stripping and covering, per ditto	0	14	0	0	15	6
New slating done with doubles, at per square	0	9	9	0	11	6
Ditto with singles, ditto	0	10	0	0	12	0
Pointing, ditto	0	3	3	0	3	6
Pan tiling, ditto	0	8	4	0	9	0
Setting stone on ridge or hips, at per foot	0	0	1½	0	0	2
Ditto fire tiles, ditto	0	0	1	0	0	1½

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ON GLAZIERS' WORK.

Glaziers' work is measured in feet, inches, and parts, and the value ascertained in proportion to the number of feet and inches superficial contained in each pane; in considering the value, therefore, of glass, reference must always be had to the prime cost, and to the size of the panes, with the superficial contents of each, which will govern the price: for the information, therefore, of workmen, and the public in general, it should be remembered, that each light should be measured separately. The dimentions are to be taken from the extreme rabbets in height and breadth of each light, namely, from putty to putty, allowing the groove in meeting rail of sash equal to rabbet.

It is usual in measuring oval fan lights, and all circular windows, to measure the compartments in the largest parts, as if they were square windows; because, in cutting out the squares of glass, there is very great waste, and more time expended than if they had been square windows: this custom is reasonable, and should be willingly complied with.

TABLE CVIII.

Prices of Glaziers' Work, furnishing Materials.

Per Superficial Foot.	Distance from the shop.							
	½ Mile.		1 Mile.		1½ Mile		2 Miles	
Best Scotch A. any size under one foot square	*s.* 1	*d.* 4	*s.* 1	*d.* 6	*s.* 1	*d.* 8	*s.* 1	*d.* 10
Ditto 2 feet square	1	8	1	10	2	0	2	2
Ditto 3½ ditto	2	2	2	5	2	8½	3	0
Second or Scotch B. any size under one foot square	0	11	1	0	1	2	1	4
Ditto 2 feet square	1	3	1	5	1	7	1	9
Ditto 3½ ditto	1	6	1	8	1	10	2	0
Third or Scotch C. any size under one foot square	0	8	0	9	0	10	0	11
Ditto 2 feet square	0	11	1	0	1	2	1	4
Ditto 3½ ditto	1	1	1	3	1	5	1	7
Green-House Glazing.								
For work done in square 6 by 4 inches	0	7	0	8	0	9	0	10
Ditto 7 by 5 inches	0	8	0	9½	0	11	1	0
Ditto 8 by 6 inches	0	8½	0	10	1	0	1	1
Ditto 9 by 8, or 10 by 7 inches	0	9	0	10	1	0	1	2
N. B. These prices will be found to fluctuate very much, as there are no regular stationary prices.								

Plain lead lights, from 1*s.* 3*d.* to 1*s.* 5*d.*
Quarry work, from 2*s.* 0*d.* to 2*s.* 4*d.*
Fancy do. according to the pattern from 2*s.* 8½*d.* to 3*s.* 9½*d.*

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TABLE CIX.

Value of Garden Caps, made of best double Tin, of the following sizes.

	from			to		
	£.	s.	d.	£.	s.	d.
12 inches square, at per piece	0	5	0	0	5	3
13 ditto .... ditto	0	6	0	0	6	4
14 ditto .... ditto	0	7	0	0	7	6
15 ditto .... ditto	0	8	0	0	8	6
16 ditto .... ditto	0	9	0	0	9	6
17 ditto .... ditto	0	10	0	0	10	6
18 ditto .... ditto	0	11	0	0	11	6
19 ditto .... ditto	0	12	0	0	12	6
20 ditto .... ditto	0	13	0	0	13	6
21 ditto .... ditto	0	14	0	0	14	6
22 ditto .... ditto	0	15	0	0	15	6
23 ditto .... ditto	0	16	0	0	16	6
24 ditto .... ditto	0	17	0	0	17	6

TABLE CX.

Value of Copper Garden Caps.

	from			to		
	£.	s.	d.	£.	s.	d.
12 inches square, at per piece...	0	7	0	0	8	4
13 ditto .... ditto	0	9	3	0	10	6
14 ditto .... ditto	0	11	6	0	12	6
15 ditto .... ditto	0	12	6	0	13	6
16 ditto .... ditto	0	13	6	0	14	6
17 ditto .... ditto	0	15	0	0	16	0
18 ditto .... ditto	0	16	6	0	17	6
19 ditto .... ditto	0	18	0	0	19	0
20 ditto .... ditto	1	0	6	1	1	6
21 ditto .... ditto	1	2	0	1	3	0
22 ditto .... ditto	1	4	0	1	5	0
23 ditto .... ditto	1	5	6	1	6	6
24 ditto .... ditto	1	7	6	1	8	8

Note. There are no lead caps made now in any shop the City.

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TABLE CXI.

Cleaning Windows.

At per Window.	from		to	
	s.	*d.*	*s.*	*d.*
Garret, kitchen, and passage windows	0	3	0	5
Bed chambers ditto	0	5	0	7
Drawing room and parlours, according to the height	0	6	0	8
Stair-case windows, according to the height and risk in doing	1	0	5	0
Wyat windows charged double price, according to the size				
Fancy sashes over hall-doors	0	6	1	0
Side lights to hall doors, according to the trouble of doing	0	4	0	6
Gothic windows in public buildings according to size	1	0	8	0

OF PLAISTERERS' AND STUCCO WORK.

The works which are measured and charged by the yard superficial, are as follows, viz.

Rendering between joists, plaistering on walls, stud partitions, and ceiling, sized pebble, dashing on plaister ground, rough cast dashing, common dashing, ashlar plaistering marked in courses, compo plaistering in imitation of stone, (malt house) floors, &c. Stucco whiten on ceilings and walls may be charged by the superficial yard or square; lime whiten by the square.

Work charged by the foot lineal as follows, viz. dubbing to all cornices (if not on laths) where the cornice exceeds ive and half inches; screeds on walls and ceilings under e foot broad: cornices, reed, impost, and all other mold- , carving of each member valued separate, which are to the plain, in making out the valuation of an d cornice; four mitres not chargeable in each

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apartment, (as extra work) all over rated in value, each to one foot of cornice. All repairs to walls about base, subbase, architraves, frames, and similar work. Reveals to outside windows, and behind pulley-pieces home to reveals, inside, &c.

TABLE CXII.

Stucco Plaisterers' Prices.

	FURNISHING MATERIALS.				WORKMANSHIP ONLY.			
	from		to		from		to	
	s.	d.	s.	d.	s.	d.	s.	d.
Rendering between joist (rough) in apartments, to be ceiled per yard	0	6	0	7	0	2½	0	3
Ditto (skimmed) where no ceiling.....	0	7	0	8	0	3	0	3½
Plain plaistering on ceilings, skimmed and angles floated	1	8	1	10	0	5	0	6
Plain ditto on brick walls, skimmed and angles floated	0	8½	0	9½	0	3	0	4
Plain ditto on rough stone, walls skimmed and angles floated.....	0	9½	0	10½	0	3½	0	4½
Floated and coated ceilings, and stud partitions on stucco laths, and four-penny nails.....	2	4	2	6	0	9	0	10
Floated and coated (laths) partitions finished grey ..	2	6	2	8	0	11	1	0
Floated ditto (skimmed)....	2	0	2	3	0	7	0	8
Floated wall plaistering (skimmed).....	0	10	1	0	0	5	0	6
Floated and coated walls finished grey	1	4	1	6	0	9	0	10
Ditto finished on hard ground for paint	1	2	1	4	0	8	0	9
Floated ashlar plaistering marked in regular courses, and joints in imitation of stone, not exceeding 20 feet high, including scaffolding.....	1	6	1	8	0	9	0	10

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Table CXII. *continued*

	FURNISHING MATERIALS.				WORKMANSHIP ONLY.			
	from		to		from		to	
Floated ashlar plaistering, marked in regular courses and joints in imitation of stone, not exceeding 30 feet high, including scaffolding.....	*s.* 1	*d.* 8	*s.* 1	*d.* 10	*s.* 0	*d.* 11	*s.* 1	*d.* 0
Ditto not exceeding 40 feet high, including scaffolding	1	11	2	1	1	1	1	2
Compo plaistering in imitation of cut stone, not exceeding 25 feet high ..	2	4	2	6	1	6	1	7
Ditto not exceeding 35 feet.	2	8	2	10	1	8	1	10
Ditto not exceeding 45 feet.	3	0	3	3	1	10	2	0
Plain rough casting on walls	0	6	0	7	0	2½	0	3½
Ditto done with sharp pebbles (not sized) on light coat of plaister	0	9	0	10	0	4	0	4½
Sized pebble dashing on plaister ground, not exceeding, 20 feet high	1	4	1	6	0	9	0	10
Ditto not exceeding 30 feet	1	7	1	9	0	10	0	11
Ditto not exceeding 40 feet	1	8	1	10	0	11	1	0
Plain plaistering to soffit of groin arches on brick....	1	0	1	1	0	6	0	7
Plaistering on ditto and finished in stucco, full coated in best manner ..	1	6	1	8	0	8	0	9
Plain finishing on groin angles, at per foot lineal..	0	2	0	3	0	1	0	1½
Staffs to ditto in stucco	0	6	0	7	0	3	0	4
Lathing on soffits of groins, if arches are done in carpentry	0	9	1	0	0	3	0	4
Malt-house floors, (grey) from 1¼ to 1½ inch thick..	2	6	3	0	0	10	1	0
Ditto, (red).....	3	4	3	9	0	11	1	1
Internal bevel angles, per foot lineal	0	3	0	4	0	3	0	4
External angles where no staff, (of wood)	0	2	0	3	0	2	0	3
Squaring angles of beams ..	0	5	0	6	0	4	0	5
Plain cornice, not exceeding 4 inches projection.....	0	6	0	6½	0	3	0	3½

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Table CXII. *continued.*

Stucco Plaisterers' Prices continued.	FURNISHING MATERIALS.				WORKMANSHIP ONLY.			
	from		to		from		to	
Plain cornice, not exceeding 5 inches projection...	*s.* 0	*d.* 7	*s.* 0	*d.* 8	*s.* 0	*d.* 3h	*s.* 0	*d.* 4
Ditto, 6 ditto	0	8	0	9	0	4	0	4h
Ditto, 7 ditto	0	9	0	10	0	4h	0	5
Ditto, 8 ditto	0	10	1	0	0	5	0	6
Ditto, 9 ditto	1	0	1	2	0	6	0	7
Ditto, 10 ditto	1	2	1	4	0	7	0	8
Ditto, 11 ditto	1	4	1	6	0	8	0	9
Ditto, 12 ditto	1	6	1	8	0	9	0	10
Dubbing to cornice 6 inches projection	....		0	2	....		0	1
Ditto, 8 ditto	....		0	3	....		0	1h
Ditto, 10 ditto	....		0	4	....		0	2
Ditto 12 ditto	....		0	5	....		0	2h
Reed moldings from 1½ to 2 inches	0	3	0	4	0	2	0	3
Ditto, 2 to 3 ditto	0	5	0	6	0	3	0	4
Ditto, 3 to 4 ditto	0	7	0	8	0	4	0	5
Running staff moldings, 1½ to 2 inches	0	3	0	4	0	2	0	3
Ditto, 2 to 3 ditto	0	4h	0	5h	0	3	0	4
Opening wood staff moldings	0	2	0	3	0	2	0	3
Carved bead from 1 to 1½ inches	0	3	0	3h	0	2h	0	3
Ditto 1½ to 2 ditto.....	0	4h	0	6	0	4	0	5
Plain leaf from 1 to 1½ inches	0	5	0	6	0	4h	0	5
Ditto 1½ to 2 inches	0	7	0	8	0	6	0	7
Ditto 2 to 2½ inches	0	9	0	10	0	8	0	9
Foliage leaf from 1 to 1½ do.	0	7	0	8	0	6	0	7
Ditto 1½ to 2 inches	0	10	1	0	0	8	0	10
Ditto 2 to 2½ inches	1	0	1	2	0	10	1	0
Raffled leaf from 1 to 1½ do.	0	6	0	7	0	5	0	6
Ditto 1½ to 2 inches	0	8	0	10	0	7	0	8
Ditto 2 to 2½ inches	0	10	1	0	0	8	0	10
Egg and anchor from 1 to 1½ inches.....	0	5	0	6	0	4	0	5
Ditto 1½ to 2 inches	0	7	0	8	0	6	0	7
Ditto 2 to 2½ inches	0	8	0	10	0	7	0	8
Dentule from 1 to 1½ inches	0	4	0	5	0	3	0	4
Ditto 1½ to 2 inches	0	6	0	7	0	5	0	6
Ditto 2 to 2½ inches	0	7	0	8	0	6	0	7

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Table CXII. *continued.*

Stucco Plaisterers' Prices continued.	FURNISHING MATERIALS.				WORKMANSHIP ONLY.			
	from		to		from		to	
	s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
Bedding and pointing small sash frames, per piece....	1	2	1	4	0	6	0	7
Ditto, middle size	1	6	1	9	0	8	0	9
Ditto, large size	2	2	2	8	0	10	1	2
Outside reveals plaistered and coated, per foot lineal	0	1h	0	2	0	1	0	1h
Ditto floated and coated....	0	2h	0	3	0	1h	0	2
Plaistering inside of reveals home to sash frame, to prevent air penetrating, per foot lineal.....	0	1h	0	2	0	1	0	1h
Solid filling behind skirting	0	2h	0	3	0	1h	0	2
Repairs to walls about base, subbase, and architraves..	0	2h	0	3	0	1h	0	2
Plain circular soffits on brick arches, per foot superficial	0	6	0	7	0	3	0	3h
Ditto on laths	0	8	0	9	0	4	0	5
Ditto panelled on brick....	1	2	1	3	0	7	0	8
Ditto on laths	1	4	1	6	0	8	0	9

Note. It would be impossible to lay down any certain value on ornamented cornices, freezes, or enriched ceilings; these vary so much, both in design and execution: therefore, they are submitted to men of judgment, who will be able to calculate on such work, agreeable to the manner in which it is performed.

TABLE CXIII.

White-washing, including Scaffolding.	No. of Coats.					
	1		2		3	
	s.	*d.*	*s.*	*d.*	*s.*	*d.*
Lime white on walls and ceilings, per square	0	10	1	2	1	6
Stucco ditto, not exceeding 30 feet high, per yard.....	0	2	0	3	0	4
Ditto up to 50 feet ditto.....	0	3	0	4	0	5
Small plain cornices in stucco (white) at per foot	0	1	0	1h	0	2
Large ditto.....	0	2	0	2h	0	3
Cornices with four enrichments ..	0	3h	0	4	0	4h
Ditto with 6 ditto and upwards....	0	4	0	5	0	6

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PAINTERS' WORK.

Painters' work is measured and valued by the superficial yard, except the following items, viz.: cornices, moldings, base, and subbase, skirting, saddles, trunks, gutters, which are measured by the foot lineal. Outside of windows, stools, reveals, scroll, pedestals to iron palisadoes, iron bars to windows, carved cartouces to stairs, globe and lamp irons, hall door and frontispieces, by the piece.

To measure Painters' Work.

In measuring Painters' work, be careful to girth wherever the brush goes, on doors, windows, trimmings, and all similar works; ballusters to stairs, both sides allowed. Fillagree mahogany on doors, to be charged by the side. Stucco fancy ceilings in variegated colours, according to the richness and number of colours, to be charged by the foot superficial.

TABLE CXIV.

Painters' Prices, at per Yard.		RATES PER. from		to	
		s.	*d.*	*s.*	*d.*
White painting (gloss)	once, in oil	0	5	0	6
Ditto, ...	twice ditto	0	8	0	9h
Ditto, ...	thrice, ditto	0	11	1	2
Ditto, ...	four times, ditto..	1	1h	1	4
Dead or flat white,	once in ditto	0	6	0	7
Ditto, ...	twice, ditto	0	9	0	10h
Ditto, ...	thrice, ditto	1	0	1	2
Ditto, ...	four times, ditto..	1	2h	1	5
Chocolate, or lead colour,	once in ditto....	0	4	0	5
Ditto, ...	twice, ditto.....	0	7	0	8h
Ditto, ...	thrice ditto.....	0	10	1	0
Ditto, ...	four times, ditto..	1	0	1	2
Mahogany colour,	twice in ditto	1	0	1	2
Ditto, ...	thrice ditto	1	3	1	6
Ditto, ...	four times, ditto..	1	6	1	9

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Table CXIV. *continued.*

Painters' Prices continued.	RATES PER. from		to.	
	s.	*d.*	*s.*	*d.*
Green, once in oil	0	5h	0	6h
Ditto, twice ditto	0	8h	0	10
Ditto, thrice ditto	0	11h	1	1h
Ditto, four times ditto	1	2	1	4h
Fillagree work on doors, per side	4	0	5	0
Painting on Walls in Oil.				
Grey or Portland stone colour, once	0	5	0	6
Ditto, ... twice	0	8	0	9h
Ditto, ... thrice	0	11	1	2
Ditto, ... four times	1	1h	1	3h
Fine yellow, ... once	0	6h	0	8
Ditto, ... twice	0	10h	1	0h
Ditto, ... thrice	1	2	1	4h
Ditto, ... four times	1	5h	1	9
Blue, (Prussian or sky) once	0	7	0	8h
Ditto, ... twice	0	11h	1	2
Ditto, ... thrice	1	3	1	6
Ditto, ... four times	1	6	1	9
Pearl colour, ... once	0	6	0	7
Ditto, ... twice	0	10	1	0
Ditto, ... thrice	1	2	1	4h
Ditto, ... four times	1	5	1	8
Preparations of walls, such as washing and scouring off old colours for either distemper or oils, at per yard	0	1	0	2
Painting in distemper colour.				
Grey or Portland stone colour, once	0	3h	0	4
Ditto, ... twice	0	4	0	5
Ditto, ... thrice	0	4h	0	5h
Ditto, ... four times	0	5	0	6
Fine yellow .... once	0	6	0	7
Ditto, ... twice	0	7h	0	9
Ditto, ... thrice	0	9	0	10h
Ditto, ... four times	0	11	1	1
French green, ... once	0	9	0	10h
Ditto, ... twice	0	10	1	0
Ditto, ... thrice	0	11	1	1
Ditto, ... four times	1	0	1	2

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Table CXIV. *continued.*

Painters' Prices continued.		RATES PER. from		to	
		s.	*d.*	*s.*	*d.*
Olympian green, ...	once	0	6	0	7
Ditto, ...	twice	0	7	0	8
Ditto, ...	thrice	0	8	0	9h
Ditto, ...	four times...	0	9	0	10h
Verditer blue, ...	once	0	9	0	10h
Ditto, ...	twice	0	10	1	0
Ditto, ...	thrice.....	0	11	1	1
Ditto, ...	four times...	1	0	1	2
Ditto pearl colour, ...	once	0	6	0	7
Ditto, ...	twice.....	0	7	0	8
Ditto, ...	thrice	0	8	0	9h
Ditto, ...	four times ..	0	9	0	10h
Indigo pearl colour,	once	0	4	0	4h
Ditto, ...	twice	0	4h	0	5
Ditto, ...	thrice.....	0	5	0	6
Ditto, ...	four times ..	0	5h	0	6h
Rain water trunks and gutters, once in oil, per foot lineal		0	2	0	2h
Ditto, ...	twice do.....	0	3	0	3h
Ditto, ...	thrice do. ..	0	4	0	5
White on subbase, ...	once	0	1	0	1¼
Ditto, ...	twice	0	2	0	2h
Ditto, ...	thrice.....	0	3	0	3h
Ditto, ...	four times ..	0	4	0	4h
White base and black plinth,	once	0	2	0	2h
Ditto, ...	twice	0	3	0	3h
Ditto, ...	thrice	0	3h	0	4
Ditto, ...	four times ..	0	4h	0	5¼
Plinth only, ...	once	0	1	0	1¼
Ditto, ...	twice	0	1h	0	2
Ditto, ...	thrice.....	0	2	0	2h
Chimney molding, ...	once	0	1	0	1¼
Ditto, ...	twice	0	1h	0	2
Ditto, ...	thrice.....	0	2	0	2h
Ditto, ...	four times ..	0	2h	0	3
Handrail to ballusters, mahogany colour, once.....		0	1	0	1¼
Ditto, ...	twice	0	2	0	2h
Ditto, ...	thrice	0	3	0	3h
Ditto, ...	four times..	0	3h	0	4

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Table CXIV. *continued.*

Painters' Prices continued.	RATES PER. from		to	
	s.	*d.*	*s.*	*d.*
Hand rail to ballusters, chocolate colour, once	0	1	0	1¼
Ditto, ... twice	0	1¼	0	1½
Ditto, ... thrice	0	1½	0	2
Half hand rails, white, capped with mahogany, ...once	0	2	0	2½
Ditto, ... twice.....	0	3	0	3½
Ditto, ... thrice	0	4	0	4½
Ditto, ... four times ..	0	4½	0	5½
Carved work in oil, picked in, per superficial foot, once done on wood work	0	2	0	3
Ditto twice done ditto	0	3	0	4
Ditto thrice done ditto	0	4	0	5
Painting on ornamental Stucco, as Ceilings, &c.				
Ornamental ceilings six times in oil, ground variegated, and picked in with several or any rich colours, as finished in two greens, &c. all of the best kind, and the ornaments dead white, flat with nut oil, per superficial foot	0	10	1	0
Ditto five times in oil, flated the grounds, picked in with two French greys, and the ornaments dead white, ditto	0	8	0	10
Freeze once in oil, and picked in with green, ditto	0	5	0	6
Ditto twice, ditto	0	6	0	7
Ditto thrice, ditto.....	0	7	0	8½
Enriched Stucco Cornices, per foot lineal.				
Cornices finished five times in oil, and flated with nut oil, and five moldings enriched, girth 10 inches	1	2	1	4
Modillion cornice five times in oil flated, with flowers on blocks, flowers between ditto, and two members enriched, 12 inches girth	1	1	1	3
Ditto five times in oil flated, three members enriched, girth eight inches	1	0	1	2

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Table CXIV. *continued.*

Painters' Prices continued.	RATES PER. from		to	
	s.	*d.*	*s.*	*d.*
Carved trussed cornice once in oil flated, with flowers between trusses, and two members enriched, girth 13 inches	0	4	0	5
Enriched Stucco Freezes.				
An enrichcd freeze, girth seven inches, five times in oil flated, picked in and finished with two greens, (or any other rich colour) ornaments dead white, per foot lineal	1	2	1	4
Ditto, girth six inches, five times in oil flated, and picked in with fine green, ornaments white and pink colours, ditto ..	1	2	1	4
Ditto, girth six inches, five times in oil flated, picked in and finished twice in oil, in French greys, ornaments fine orange and white, ditto	1	3	1	5
Architrave and freeze eight inches girth, five times in oil flated, one member enriched, at per foot lineal	0	6	0	7
Carved astragal, girth 2 to 3 inches, five times in oil and flated, ditto	0	4	0	5
Ornamental figure Painting in distemper.				
Double festoons of flowers, and leaves variegated to cove, from 2 feet 6 inches, to 3 feet high, per foot lineal	7	6	8	0
Ornaments to freeze, consisting of vases, heads, &c. one foot high, ditto	4	6	5	0
Festoons of roses to pedestal, about 2 feet by 3 feet, at per piece, ...	13	0	15	0
Corinthian fluted, pilasters complete 12 feet high, in imitation of dove marble each ..	24	0	26	6
Ditto columns, ditto	36	0	40	0
Ionic pilasters ditto, in imitation of sienna, ditto	30	0	34	0
Ditto columns similar, ditto	44	0	50	0
Figures in niches, five to 6 feet high, ditto ..	75	0	80	0

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Table CXIV. *continued.*

	RATES PER.			
Painted Letters or Figures, one penny per inch, as follows.	from		to	
	s.	*d.*	*s.*	*d.*
Capital letters 4 inches high, each	0	4	0	5
Ditto 3½ ditto, do.	0	3h	0	4
Ditto 3 ditto, do.	0	3	0	3h
Ditto 2½ ditto, do.	0	2h	0	3
Ditto 2 ditto, do.	0	2	0	2h
Ditto 1½ ditto, do.	0	1h	0	2
Ditto 1 ditto, do.	0	1	0	1h
N. B. If gilt, add per inch	0	2	0	2h
Painting Windows outside, per piece.				
Parlour and drawing-room stories, once	2	0	2	6
Ditto, ... twice	3	0	3	6
Ditto, ... thrice ...	4	2	4	8
Reveals to ditto in oil, once	1	0	1	2
Ditto, ... twice	1	6	1	8
Ditto, ... thrice ...	1	10	2	2
Window of attic and basement stories, once..	1	4	1	8
Ditto, ... twice	2	0	2	4
Ditto, ... thrice	2	8	3	3
Reveals to ditto in oil, once	0	8	0	10
Ditto, ... twice	1	1	1	3
Ditto, ... thrice....	1	4	1	6
Windows of garret stories, once	1	0	1	3
Ditto, ... twice....	1	6	1	9
Ditto, ... thrice....	2	0	2	4
Reveals to ditto in oil once	0	6	0	7
Ditto, ... twice....	0	8	0	10
Ditto, ... thrice ...	0	10	1	0
Window-stools to ditto, per piece, once	0	6	0	7
Ditto, ... twice	0	9	0	10h
Ditto, ... thrice	1	0	1	2
Iron bars to windows, per piece, once	0	1h	0	2
Ditto, ... twice	0	2h	0	3
Ditto, ... thrice....	0	3h	0	4
Note. Wyat and stair-case windows charged in proportion to the foregoing.				

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Table CXIV. *continued.*

Painters' Prices continued.	RATES PER. from s.	from d.	to s.	to d.
Scroll pedestals to iron palisadoes, at per piece .... once	1	0	1	3
Ditto, ... twice	1	4	1	8
Ditto, ... thrice	2	0	2	6
Ornament cornices, whitened in best Paris, per foot lineal, ... once	0	2h	0	3
Ditto, ... twice	0	3h	0	4
Plain ditto, ... once	0	1	0	1h
Ditto, ... twice	0	2	0	2h
Ceilings, do. in Paris white, per yard, twice ..	0	2h	0	3
Ditto, ... thrice ..	0	3h	0	4

Note. Paper hanging is measured in the following manner, viz.:—Having 60 superficial feet to one dozen of paper, and 36 lineal feet to one ditto of borders, and having the superficial contents in feet and inches, divide by 5, which reduces it into yards; this product divided again by 12, reduces it into dozens, and the remainder, if any, is yards. In borders, dividing the length in feet by 3, reduces it into yards, and by 12, into dozens. One yard is allowed to each dozen for waste.

PLUMBERS' WORK.

Explanation of Table CXV.

On the two columns down the left side, are the value in lbs. and cwts. from 2½*d.* per lb. or £1 3*s.* 4*d.* per hundred, to 6*d.* per lb. or £2 16*s.* per cwt.; the succeeding columns are placed alternately for the amount per foot superficial, and per square of 100 feet: the horizontal line of figures along the head of Table, shews the weight of one superficial foot, under A.; that under B. the quantity of superficial feet contained in 112lb. For instance; look for 8lb. per foot; next to this, you have 14 feet, which is the superficial contents in 112lb. for the value rating, suppose 4¼*d.* per lb. or £1 19*s.* 8*d.* per cwt. you want lead 6lb to the foot. On the line 4¼*d.* per lb. or £1 19*s.* 8*d.* per cwt. look forward for the column under 6lb at the top, and you will find 2*s.* 1½*d.* per foot superficial, or £10 12*s.* 6*d.* per square of 100 feet, and so for any other sum or quantity required.

Note. The figures under the columns of value, in feet, and squares of 100 feet, shew the encrease on each line from top to bottom.

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TABLE CXV.

This Table shews how many superficial feet one hundred weight of Sheet Lead will cover on Platform, Roof, Gutters, &c. from 4lbs. to 9lbs. per superficial foot.

Rate per lb	Rate per cwt.	A. Wt. 4 lbs.	B. Covers F. 28 I. 0	A. Wt. 5 lbs.	B. Covers F. 22 I. 5	A. Wt. 6 lbs.	B. Covers F. 18 I. 8	A. Wt. 7 lbs.	B. Covers F. 16 I. 0	A. Wt. 8 lbs.	B. Covers F. 14 I. 0	A. Wt. 9 lbs.	B. Covers F. 12 I. 5½
		per ft.	per sqr.	per ft.	per sqr.	per ft.	per sqr.	per ft.	per sqr.	per ft.	per sqr.	per ft.	per sqr.
d.	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*	*s.* *d.*	£. *s.* *d.*
2 1/8	1 3 4	0 10	4 3 4	1 0½	5 4 2	1 3	6 5 0	1 5½	7 5 10	1 8	8 6 8	1 10½	9 7 6
2 2/8	1 5 8	0 11	4 11 8	1 1¾	5 14 7	1 4½	6 17 6	1 7¼	8 0 5	1 10	9 3 4	2 0¾	10 6 3
3	1 8 0	1 0	5 0 0	1 3	6 5 0	1 6	7 10 0	1 9	8 15 0	2 0	10 0 0	2 3	11 5 0
3 1/8	1 10 4	1 1	5 8 4	1 4¼	6 15 5	1 7½	8 2 6	1 10¾	9 9 7	2 2	10 16 8	2 5¼	12 3 9
3 2/8	1 12 8	1 2	5 16 8	1 5½	7 5 10	1 9	8 15 0	2 0½	10 4 2	2 4	11 13 4	2 7½	13 2 6
3 3/8	1 15 0	1 3	6 5 0	1 6¾	7 16 3	1 10½	9 7 6	2 2¼	10 18 9	2 6	12 10 0	2 9¾	14 1 3
4	1 17 4	1 4	6 13 4	1 8	8 6 8	2 0	10 0 0	2 4	11 13 4	2 8	13 6 8	3 0	15 0 0
4 1/4	1 19 8	1 5	7 1 8	1 9¼	8 17 1	2 1½	10 12 6	2 5¾	12 7 11	2 10	14 3 4	3 2¼	15 18 9
4 2/4	2 2 0	1 6	7 10 0	1 10½	9 7 6	2 3	11 5 0	2 7½	13 2 6	3 0	15 0 0	3 4½	16 17 6
4 3/4	2 4 4	1 7	7 18 4	1 11¾	9 17 11	2 4½	11 17 6	2 9¼	13 17 1	3 2	15 16 8	3 6¾	17 16 3
5	2 6 8	1 8	8 6 8	2 1	10 8 4	2 6	12 10 0	2 11	14 11 8	3 4	16 13 4	3 9	18 15 0
5 1/4	2 9 0	1 9	8 15 0	2 2¼	10 18 9	2 7½	13 2 6	3 0¾	15 6 3	3 6	17 10 0	3 11½	19 13 9
5 2/4	2 11 4	1 10	9 3 4	2 3½	11 9 2	2 9	13 15 0	3 2½	16 0 10	3 8	18 6 8	4 1⅓	20 12 6
5 3/4	2 13 8	1 11	9 11 8	2 4¾	11 19 7	2 10½	14 7 6	3 4¼	16 15 5	3 10	19 3 4	4 2¾	21 11 3
6	2 16 0	2 0	10 0 0	2 6	12 10 0	3 0	15 0 0	3 6	17 10 0	4 0	20 0 0	4 6	22 10 0
¼	0 2 4	0 1	0 8 4	0 1¼	0 10 5	0 1½	0 12 6	0 1¾	0 14 7	0 2	0 16 8	0 2¼	0 18 9

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Plumbers' work is charged by the hundred of 112lbs. (of sheet lead) there are two sorts, viz.—Cast and milled. Solder is charged by the pound. Small lead pipes for water, are charged by the yard or foot lineal.

TABLE CXVI.

Plumbers' Prices.	from			to		
	£.	s.	d.	£.	s.	d.
New cast sheet lead, 7lbs. per superficial foot and upwards, for roofs and gutters, not including laying, per cwt. . .	1	13	0	1	15	0
Ditto milled sheet lead, 7lbs. and under, to the foot for ridges & vallies, ditto	1	16	0	1	18	0
Solder furnished for ditto, per lb.	0	1	1		....	
Workmanship, laying lead, and soldering the joints, per cwt.	0	4	0	0	6	0
Leaden cistern heads to receive the water from gutters, cast to any figure, ..	2	8	0	2	14	0
Do. with moldings and ornaments on do.	2	14	0	3	0	0
Labour fixing up ditto	0	4	0	0	6	0
Solder and holdfasts charged by the pound for ditto.						
Water cisterns battened, with ornaments to ditto, per cwt.	2	8	0	2	12	0
Sash weights, and similar work cast, do.	1	15	0	2	5	0
Casting old lead, and re-laying ditto on platforms and gutters, ditto	0	10	0	0	12	0
Solder furnished to ditto, per lb.	0	1	1		....	
Casting old lead, and returning full weight of do. after being cast, per cwt.	0	10	0	0	12	0
Solder furnished at per lb.	0	1	1			
Workmanship laying ditto per cwt. ..	0	4	0			
In weighing old lead, there is a deduction from gross weight of 6lb. per cwt.						
Value for old lead, including the expense of taking ditto up, & carriage, per cwt.	1	2	0	1	6	0
Lead Pipes.						
For rain water pipes, per cwt.	2	6	0	2	10	0
Workmanship putting up ditto, per day, for a plumber and helper...	0	9	6	0	10	0
Solder furnished per lb.	0	1	1		....	
Iron holdfasts ditto.	0	0	10		....	

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Table CXVI. *continued.*

Small Cast Pipes.	from s.	from d.	to s.	to d.
2 inch pipe cast 19lbs. wt. to 3 feet lineal	3	3	4	4
1¾ ditto 17¼ ditto, ditto....	3	0	3	9h
1½ ditto 14½ ditto, ditto....	2	8h	3	3
1¼ ditto 9¾ ditto, ditto....	2	2	2	8h
1 ditto 8¼ ditto, ditto....	1	8	2	0
¾ ditto 6 ditto, ditto....	1	2	1	4
½ ditto 4¾ ditto, ditto....	0	10	1	1
Soldering the Joints of Water Pipes.				
¾ inch pipe, per joint	2	8½	3	0
1 ditto, ditto	3	0	3	6
1½ ditto, ditto	5	0	5	5
2 ditto, ditto	7	0	7	7
2½ ditto, ditto	7	7	8	8
3 ditto, ditto	8	8	9	9
3½ ditto, ditto	9	9	10	10
4 ditto, ditto	10	10	11	11
4½ ditto, ditto	11	11	13	0
5 ditto, ditto	13	0	14	1
5½ ditto, ditto	14	1	15	2
6 ditto, ditto	15	2	16	3
6½ ditto, ditto	16	3	17	4
7 ditto, ditto	17	4	18	5
Brass cocks and bosses, from 1¼ to 3 inches diameter, at per lb.	1	10	3	6
Setting ditto, work and solder, if 1½ inch diameter, per cock, ...	6	6	9	9
Ditto, 1¼ inch diameter, ditto	5	5	8	8
Ditto, 1 ditto, ditto	4	4	6	6
Ditto, ¾ ditto, ditto	3	3	5	5
Ditto, ½ ditto, ditto	2	8½	4	0
N. B. If without bosses, deduct for small ones 4*d.* middle size 6*d.* large 8*d.* each.				

OF TIMBER MEASURE.

The Measurement on the Tables of Stone-cutter's work, will answer equally for timber, which is made up at 40 feet to one ton in square timber. In round timber, the method practised and admitted, is giving one-fourth of the girth for the side of the square, and made up at 50 feet to one ton.

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At a Meeting between the under-named Committee of the Master Cabinet Makers, and the under-named Committee of the Sawyers of the City of Dublin, on the 25th March, 1812, the following Rates of Sawing were mutually agreed on.

	s.	d.
Mahogany.		
Deeping Honduras mahogany, under 2 feet, per hundred	7	0
2 feet and under 2 feet 6, per ditto	8	0
2 feet 6 and under 2 feet 9, per ditto	10	6
2 feet 9 and under 3 feet, per ditto	12	6
3 feet and upwards per inch per hundred extra,	0	4
Honduras Veneers.		
Under 18 inches per hundred, ...	8	4
18 inches and under 2 feet, ...	9	5
2 feet and under 2 feet 6, per ditto..	10	6
2 feet 6 and under 2 feet 9, per ditto	12	6
2 feet 9 and upwards per inch per hundred extra,	0	5
Jamaica, St. Domingo and Cuba Mahogany.		
Under 2 feet per hundred, ...	8	4
2 feet and under 2 feet 6 per ditto	10	6
2 feet 6 and under 2 feet 9 per ditto..	12	6
2 feet 9 and upwards per inch per hundred extra,	0	5
Jamaica, St. Domingo and Cuba Veneers.		
Under 18 inches per hundred,..	9	5
18 inches and under 2 feet, per ditto..	10	6
2 feet and under 2 feet 6 per ditto	12	6
2 feet 6 and under 2 feet 9 per ditto..	14	7
2 feet 9 and upwards per inch per hundred extra,	0	6
Inch board slit or cut in veneers per foot, ...	0	2
Breaking mahogany double measurement, or per man per day, ...	5	5
Sattin wood, holly and yew, per hundred,.. ..	12	0
Ring wood, purple wood, and rose wood, per hundred	16	8
Cedar of all depths, per hundred, ...	5	6
Ditto in veneers, per ditto	7	0
Sycamore in boards and plank, per hundred,.. ..	8	4
Ditto in veneers, per ditto	10	6
American and Memel oak, per ditto..	6	0

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Sawyers' Prices continued.	s.
Riga oak, per hundred	5
Quebec oak, maple and birch, per hundred ..	7
American ash, per ditto..	6
Irish and English beech, per ditto	7
American pine, yellow and white, per ditto ..	5
Pitch pine, per ditto	6
All cross cuts ten feet.	
Flatting.	
Oak, ash, maple and birch scantling, for each inch in thickness, per hundred	0
Pine scantling, as ditto	0
All mahogany scantling, as ditto..	1
Pillar table claws, per dozen cuts	2
Small claws per ditto	2
Bed roof laths of all sorts per ditto	1
Chair top rails 3 inches deep per dozen	1
Ditto over 3 inches, for each inch extra per dozen.	0
Deals.	
Deal boards and plank over 12 feet long, per hundred	5
Deals from 11 to 12 feet long, per dozen	3
Ditto from 9 to 10 feet, per dozen	3
Ditto from 7 to 9 feet, per ditto..	2
Ditto 6 feet, per ditto..	2
Flatting 10 and 12 feet deals, per ditto	2
Ditto 7 and 9 feet, per ditto	1
Ditto 6 feet, per ditto.	1

All lumbering, or time employed at the Employer's request, to be paid per man per day, *5s. 5d.*

Committee of the Master Cabinet Makers.	Committee of the Sawyers.
GEORGE GILLINGTON,	JOHN SPEEKMAN,
JAMES WOODS,	FRANCIS WHITE,
FRANCIS KIRCHOFFER,	JAMES SHERLOCK,
WALTER POWER,	THOS. MONTGOMERY,
ARTHUR POWER.	JOHN DORAN.

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N. B. There is a deduction of about one-sixth off the above rates at the present day.

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INDEX.

Table.		*Page.*
I.	Framed Roof on Birmingham Theatre, 80 feet span in the clear of walls	9
II.	Ditto on Covent Garden Church, 70 feet span in the clear	10
III.	Ditto about 65 feet span	11
IV.	Ditto 50 ditto	12
V.	Ditto 46 ditto	13
VI.	Ditto 38 ditto	14
VII.	Ditto 30 ditto	15
VIII.	Ditto 24 ditto	16
IX.	Ditto 20 ditto	17
X.	Common roofing, span 24 feet clear	18
XI.	Ditto, from 18 to 20 feet	19
XII.	Ditto, about 16 feet	20
XIII.	Ditto, about 13 ditto	21
XIV.	Joists 14 by 3, and plank flooring 1¼ inch thick, dowelled and laid in reduced breadths	22
XV.	Joists 12 by 3, and plank flooring 1¼ inch thick ditto	23
XVI.	Joists 8 by 4 or 10½ by 3, and ditto 1¼ ditto	24
XVII.	Joists 12 by 2¼ or 9 by 3, and ditto 1¼ ditto	25
XVIII.	Joists 12 by 2¼ or 9 by 3, and straight joint flooring, 1¼ inch thick, not in reduced breadths	26
XIX.	Ditto 11¼ by 2 or 10 by 2¼, and ditto 1¼ ditto	27
XX.	Ditto 9 by 2 or 8 by 2¼, and ditto 1¼ ditto	28
XXI.	Ditto 5½ by 3 or 6 by 2¼ or 8 by 2, and do. 1 do.	29
XXII.	Ditto 7 by 2 or 8 by 1¼, and ditto ⅞ ditto	30
XXIII.	Ditto 8 by 1½ or 6 by 2 or 4 by 3, and broken joint flooring one inch thick	31
XXIV.	Joists 5¼ by 2 or 4½ by 2½, and broken joint flooring three-fourths inch thick	32
XXV.	Joists 4 by 2 and ditto five-eighths inch thick	33
XXVI.	Ditto 4 by 1½ and ditto five-eighths ditto	34
XXVII.	The value of a 4 inch truss partition, span about 40 by 15 feet	35
XXVIII.	The value of sash frames	36
XXIX.	Estimate for a wyat window, 8 feet by 7 feet 4 inches complete	37
XXX.	Ditto, a window 12 by 6 feet clear	38
XXXI.	Ditto 10 by 4 ditto	39
XXXII.	Ditto 8 by 4 ditto	40
XXXIII.	Ditto 6 by 4 ditto	41
XXXIV.	Ditto 5 by 4 ditto	42
XXXV.	Ditto 5 by 3 ditto	43
XXXVI.	Ditto 4 by 3 ditto	ib.

Digitized by Google

Table. *Page.*
XXXVII. Estimate for a pair of folding doors, complete, 9 by 8 feet clear in a 9 inch brick wall... 44
XXXVIII. Ditto a hall-door, double margin, 8 by 4 feet clear, 3 inches thick, 9 panels raised outside, bead and but or flush inside complete.. 45
XXXIX. Ditto drawing-room, or parlour door, in a 9 inch wall, 7 by 3½ feet clear and 2½ inch thick.. 46
XL. Bed-chamber door 6½ by 3½ feet, and 1¼ ditto.. 47
XLI. Attic or garret door 6½ by 3 feet, and 1¼ ditto.. ib
XLII. An abstract table shewing the value of Carpenters' work furnishing materials, and done in best manner..... 48
XLIII. Stair Cases, story from 15 to 17 feet clear, steps from 4½ to 5 feet long..... 56
XLIV. Ditto 13 to 15 feet, steps from 4 to 4½ feet long 58
XLV. Ditto 11 to 13 ditto, from 3½ to 4½ feet long.. 60
XLVI. Ditto 9 to 11 ditto, 3⅛ to 3½ ditto..... 61
XLVII. Ditto 8 to 10 ditto, 2 feet 8 to 3 feet ditto.. 63
XLVIII. Dog-legged stairs, story from 9½ to 10½ feet clear, steps 3 feet long..... 65
Treatise on stairs..... 67
On the practice of stairs..... ib.
How to set out a newel for turning..... 68
Of setting out a cap, and mitring a square before it is sent to the turner..... 69
Of bracket stairs..... ib.
Of geometrical stairs..... ib.
On rails..... 71
XLIX. Exhibiting the value of a new first rate shop front of 24 feet long..... 77
L. Ditto 20 feet long..... 79
LI. Shop front 20 feet long..... 81
LII. Very plain shop front 18 feet long, and from 8 to 9 feet high..... 83
LIII. To fit up a rack and manger, complete..... 85
LIV. Green or hot-house, 50 by 13 feet..... 87
LV. Ditto, 80 feet long..... 89
LVI. The value of palisadoes 27 feet long, done in best manner..... 91
LVII. Ditto in plain manner..... 92
LVIII. Value of fillet gutters furnishing materials.... 93
LIX. Ditto rain water-trunks..... ib.
LX. Ditto of Scantling, from 2 to 12 inches square.... 94
An inspectional table, explaining the value of one foot lineal of any kind of timber which is measured and charged 40 feet to one ton..... 96
LXI. Ditto of Architraves..... ib.
LXII. Ditto of Pillasters..... 97
Rule to find the length of a rafter..... ib.
—— To measure roofing..... 98

Digitized by Google

	Page.
Rule to measure Flooring	99
——— Stairs	ib.
—— To value common stairs	ib.
LXIII. Value of sash frames	102
LXIV. ——— of Carpenters' work, workmanship only	104
Rules and regulations of the corporation of Carpenters	118
On the strength and propriety of Building; of the foundation and superstructure of walls	123
Directions to begin a Building	124
On the practice of brick-work	125
Of groin arches	126
The difficulty that attends a brick groin	127
Of a nich in brick-work	128
A circular arch upon a circular plan	129
A semi eliptic arch	130
The quantity of materials required to perform a perch of brick work, and the fluctuating value explained	ib.
LXV. Explaining the value of bricklayer's work	132
Of the measurement of brick-work	133
LXVI. Is calculated to reduce any thickness of brick work to the standard thickness	135
LXIX. Shewing the number of bricks required to perform any number of superficial feet	138
LXX. Explains the value of (rough) Mason's work	144
General rules for measuring Mason's work	145
LXXI. Is calculated to reduce any thickness of Mason's work to the standard thickness	147
LXXII. An Estimate for walling in ten, one, or more Irish or English acres of ground	150
Rules and regulations of the corporation of Bricklayers	152
LXXIII. An Estimate for building and completing a Mansion house, 66 by 56 feet square, 4 story high, agreeable to plan and elevation made out for said purpose	156
LXXIV. Bill of work for building ditto, taken from estimated quantities	200
A Treatise on Stone-Cutter's work	228
Stone-Cutters Prices furnishing materials	229
LXXV. History of the Tuscan Order	233
LXXVI. Value of a Tuscan Column 8 inches diameter	234
LXXVII. Ditto 1 foot diameter	238
LXXVIII. Ditto 1 foot 6 inches do.	242
LXXIX. Ditto 2 feet do.	246
LXXX. Ditto 2 feet 6 inches ditto	250
LXXXI. Ditto 3 feet ditto	254
LXXXII. Ditto 3 feet 6 inches ditto	258
LXXXIII. Ditto 4 feet ditto	262
LXXXIV. History of the Doric Order	266
LXXXV. Value of a Doric column one foot diameter	267

Digitized by Google

Table. *Page.*
LXXXVI. Value of a Doric column two feet diameter 271
LXXXVII. Ditto three feet ditto 275
LXXXVIII. Ditto four feet ditto 279
LXXXIX. History of the Ionic Order 283
Stone-carvers' Prices 284
XC. Value of an Ionic column one foot diameter 285
XCI. Ditto two feet diameter 289
XCII. Ditto three feet ditto 293
XCIII. Ditto four feet ditto 297
XCIV. History of the Corinthian Order 301
XCV. Value of a Corinthian column one foot diameter 302
XCVI. Ditto two feet diameter 307
XCVII. Ditto three feet ditto 311
XCVIII. Ditto four feet ditto 315
XCIX. History of the Composite Order 319
C. Value of a Composite column one foot diameter .. 320
CI. Ditto two feet ditto 324
CII. Ditto three feet ditto 328
CIII. Ditto four feet ditto 332
CIV. A large folding table, for finding the diameter to any height of columns or pilasters, (to face explanation.) 336
Treatise on Slaters' work 337
CV. Prices of Slaters' materials in the city of Dublin 338
CVI. Prices of Slaters' work furnishing materials.. 339
CVII. Ditto workmanship only ..... ib.
CVIII. Glaziers' Prices, furnishing Materials 340
CIX. Value of Garden Caps, made of best double tin.. 341
CX. Ditto of Copper Garden Caps ..... ib.
CXI. Prices for cleaning Windows 342
Of Plaisterers' and Stucco work ..... ib.
CXII. Stucco Plaisterers' Prices 343
CXIII. White Washing, including Scaffolding 346
On Painters' Work 347
To measure ditto ..... ib.
CXIV. Painters' Prices ..... ib.
Note on Paper Hanging 353
CXV. Shews how many superficial feet one cwt. of sheet lead will cover on Platform, Roof, Gutters, &c. from 4lb. to 9lb. per superficial foot .. 354
CXVI. Plumbers' Prices 355
Of Timber Measure 356
Copy of Sawyers' Prices 357
An Inspectional Table, shewing the value of Boards and Planks 358

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